ISSN 0304-8853

journal of magnetism and magnetic materials

MASTER INDEX
VOLUMES 171–190
JULY 1997–DECEMBER 1998

Editor-in-Chief:
A.J. FREEMAN

Editors:
S.D. BADER
J.G. BOOTH
I.A. CAMPBELL
R.W. CHANTRELL

Recognized by the
European Physical Society

NOW included in your subscription:
ELECTRONIC ACCESS
www.elsevier.nl/locate/elecacc

NORTH-HOLLAND
http://www.elsevier.nl

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS

Editor-in-Chief: A.J. Freeman

Dept. of Physics and Astronomy, Northwestern University, Evanston, IL 60208-3112, USA

Editors

S.D. Bader, Material Sciences Divisi[illegible] Argonne National Laboratory, Argonne, IL 60439-4845, USA
E-mail: jmmm@anl.gov

J.G. Booth, Physics Department, Joule Laboratory, Salford University, Salford M5 4WT, UK
E-mail: j.g.booth@physics.salford.ac.uk

I.A. Campbell, Laboratoire de Physique des Solides, Université Paris-Sud, Bâtiment 510, 91405 Orsay Cedex, France
E-mail: campbell@lps.u-psud.fr

R.W. Chantrell*, Computational Magnetism Group, SEECS, University of Wales, Dean Street, Bangor, LL57 1UT, UK
E-mail: roy@sees.bangor.ac.uk

Advisory Editors

The complete mailing addresses are printed in the beginning of each volume

B. Antonini, Coppito
A. Arrott, Burnaby
J.I. Budnick, Storrs, CT
K.H.J. Buschow, Amsterdam
J.N. Chapman, Glasgow
J.M.D. Coey, Dublin
C.E.T.G. da Silva, Campinas
D.M. Edwards, London
D. Fiorani, Rome
E. Fawcett, Toronto
J.J.M. Franse, Amsterdam
F.J. Friedlaender, Lafayette, IN
H. Fujimori**, Sendai
K.A. Gschneidner Jr., Ames, IA
N. Imamura*, Ayase-Shi
G.M. Kalvius, Garching
T. Kasuya, Sendai
J. Kirschner, Halle
J.S. Kouvel***, Chicago, IL
H. Kronmüller, Stuttgart
M.H. Kryder*, Pittsburgh, PA
J.C. Lodder*, Enschede
F.E. Luborsky, Schenectady, NY
S. Methfessel***, Bochum-Querenburg
S. Miyaoka*, Tokyo
Y. Nakamura*, Sendai
M. Naoe, Okayama
V.I. Ozhogin**, Moscow
V.I. Petinov, Chernogolovka
D. Pierce, Gaithersburg, MD
F.E. Pinkerton, Warren, MI
J.L. Porteseil, Grenoble
G. Prinz, Washington, DC
F.C. Pu, Beijing
J.J. Rhyne, Columbia, MO
I.K. Schuller, La Jolla, CA
T. Shinjo, Kyoto
J.C. Slonczewski, Yorktown Heights, NY
D.E. Speliotis, Newton, MA
R. Sperling, Jerusalem
T. Suzuki, Nagoya
H. Szymczak, Warsaw
R.J. Veitch*, Ludwigshafen
H. Völz*, Berlin
S.V. Vonsovski, Ekaterinburg
J. Zhu, Pittsburgh, PA

* Editor section *Information Storage: Basic and Applied.* ** Senior Advisory Editor *** Emeritus Advisory Editor

Aims and Scope

The *Journal of Magnetism and Magnetic Materials* provides an important forum for the disclosure and discussion of original contributions covering the whole spectrum of topics, from basic magnetism to the technology and applications of magnetic materials and magnetic recording. The journal encourages greater interaction between the basic and applied subdisciplines of magnetism, with short but comprehensive review articles, a rapid publication channel with *Letters to the Editors*, and a section *Information Storage: Basic and Applied* on all topics in magnetic and magneto-optic recording media and processes – in addition to full-length contributions.

Abstracted/indexed in:

Current Contents: Physical, Chemical and Earth Sciences; EI Compendex Plus; Engineering Index; INSPEC; Metals Abstracts

Subscription Information 1999

Volumes 191–205 of the *Journal of Magnetism and Magnetic Materials* (ISSN 0304-8853) are scheduled for publication. (Frequency: semimonthly; total 24 issues.)

Prices are available from the publishers upon request. Subscriptions are accepted on a prepaid basis only. Issues are sent by SAL (Surface Air Lifted) mail wherever this service is available. Airmail rates are available upon request. Please address all enquiries regarding orders and subscriptions to the Customer Support Department at the Regional Sales Office nearest to you (see journal front pages). Claims for issues not received should be made within six months of our publications (mailing) date.

US Mailing notice – The *Journal of Magnetism and Magnetic Materials* (ISSN 0304-8853) is published semimonthly (total 24 issues) by Elsevier Science B.V., Molenwerf 1, P.O. Box 211, 1000 AE Amsterdam, The Netherlands. Annual subscription price in the USA is US$ 5326 (valid in North, Central and South America only), including air speed delivery. Second class postage paid at Jamaica, NY 11431.

USA Postmasters: Send changes to Journal of Magnetism and Magnetic Materials, Publications Expediting, Inc., 200 Meacham Avenue, Elmont, NY 11003. Airfreight and mailing in the USA by Publications Expediting.

© The paper used in this publication meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper).

Journal cover design of Jonathan Eric Freeman (d)

Printed in The Netherlands

North-Holland, an imprint of Elsevier Science

journal of
magnetism
and
magnetic
materials

journal of magnetism and magnetic materials

Editor-in-Chief:

A.J. FREEMAN
Department of Physics and Astronomy
Northwestern University
Evanston, IL 60208-3112, USA

Master Index
Volumes 171–190
July 1997–December 1998

ELSEVIER

Recognized by the European Physical Society

© 1999 Elsevier Science B.V. All rights reserved.

This journal and the individual contributions contained in it are protected under copyright by Elsevier Science B.V., and the following terms and conditions apply to their use:

Photocopying

Single photocopies of single articles may be made for personal use as allowed by national copyright laws. Permission of the Publisher and payment of a fee is required for all other photocopying, including multiple or systematic copying, copying for advertising or promotional purposes, resale, and all forms of document delivery. Special rates are available for educational institutions that wish to make photocopies for non-profit educational classroom use.

Permissions may be sought directly from Elsevier Science Rights & Permissions Department, P.O. Box 800, Oxford OX5 1DX, UK; phone: (+44) 1865 843830, fax: (+44) 1865 853333, e-mail: permissions@elsevier.co.uk. You may also contact Rights & Permissions directly through Elsevier's home page (http://www.elsevier.nl), selecting first 'Customer Support', then 'General Information', then 'Permissions Query Form'.

In the USA, users may clear permissions and make payments through the Copyright Clearance Center, Inc., 222 Rosewood Drive, Danvers, MA 01923, USA; phone (+1) (978) 7508400, fax: (+1) (978) 7504744, and in the UK through the Copyright Licensing Agency Rapid Clearance Service (CLARCS), 90 Tottenham Court Road, London W1P 0LP, UK; phone: (+44) 171 436 5931; fax: (+44) 171 436 3986. Other countries may have a local reprographic rights agency for payments.

Derivative Works

Subscribers may reproduce tables of contents or prepare lists of articles including abstracts for internal circulation within their institutions. Permissions of the Publisher is required for resale or distribution outside the institution.

Permission of the Publisher is required for all other derivative works, including compilations and translations.

Electronic Storage or Usage

Permission of the Publisher is required to store or use electronically any material contained in this journal, including any article or part of an article. Contact the Publisher at the address indicated.

Except as outlined above, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the Publisher.

Address permissions requests to: Elsevier Science Rights & Permission Department, at the mail, fax and e-mail addresses noted above.

Notice

No responsibility is assumed by the Publisher for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein. Because of rapid advances in the medical sciences, in particular, independent verification of diagnoses and drug dosages should be made.

Although all advertising material is expected to conform to ethical (medical) standards, inclusion in this publication does not constitute a guarantee or endorsement of the quality or value of such product or of the claims made of it by its manufacturer.

Published monthly

Printed in The Netherlands

♾ The paper used in this publication meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper).

Regional Sales Offices

New York
Elsevier Science
P.O. Box 945
New York, NY 10159-0945
USA
Tel: (+1) 212-633-3730
[Toll Free number for North American customers: 1-888-4ES-INFO (437-4636)]
Fax: (+1) 212-633-3680
E-mail: usinfo-f@elsevier.com

Amsterdam
Elsevier Science
P.O. Box 211
1000 AE Amsterdam
The Netherlands
Tel: (+31) 20-485-3757
Fax: (+31) 20-485-3432
E-mail: nlinfo-f@elsevier.nl

Tokyo
Elsevier Science K.K.
9-15, Higashi-Azabu 1-chome
Minato-ku, Tokyo 106
Japan
Tel: (+81) 3-5561-5033
Fax: (+81) 3-5561-5047
E-mail: info@elsevier.co.jp

Singapore
Elsevier Science
No. 1 Temasek Avenue
#17-01 Millenia Tower
Singapore 039192
Tel: (+65) 434-3727
Fax: (+65) 337-2230
E-mail: asiainfo@elsevier.com.sg

ELSEVIER

Journal of Magnetism and Magnetic Materials 171–190 (1999) v–vii

journal of magnetism and magnetic materials

www.elsevier.com/locate/jmmm

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS

Editorial Board (*: Editor section Information Storage: Basic and Applied)

Editor-in-Chief

A.J. FREEMAN
Department of Physics and Astronomy, Northwestern University, Evanston, IL 60208-3112, USA
Tel.: + 1-847-491-3343
Fax.: + 1-847-491-5082
Email: art@freeman.phys.nwu.edu

Editors

S.D. BADER
Material Sciences Division, Argonne National Laboratory, Argonne, IL 60439-4845, USA
Tel.: + 1-630-252-5203
Fax.: + 1-630-252-5219
E-mail: jmmm@anl.gov

J.G. BOOTH
Physics Department, Joule Laboratory, University of Salford, Salford M5 4WT, UK
Tel.: + 44-161-295-5259
Fax.: + 44-161-295-5197
Email: j.g.booth@physics.salford.ac.uk

I.A. CAMPBELL
Laboratoire de Physique des Solides, Université de Paris-Sud, Bâtiment 510, 91405 Orsay Cedex, France
Tel.: + 33-1-6915-5326
Fax.: + 33-1-6915-5654
Email: campbell@lps.u-psud.fr

R.W. CHANTRELL*
Computational Magnetism Group, SEECS, University of Wales – Bangor, Dean Street, Bangor, LL57 1UT, UK
Tel.: + 44-1248-382806
Fax.: + 44-1248-361429
Email: roy@sees.bangor.ac.uk

Issue Manager

H.A. ARENDS
North-Holland (Elsevier Science B.V.), P.O. Box 2759, 1000 CT Amsterdam, The Netherlands
Tel.: + 31-20-4852517
Fax.: + 31-20-4852319
Email: h.arends@elsevier.nl

Advisory Editors

B. ANTONINI
Dipartimento di Fisica, Università di L'Aquila, I-67010 Coppito, Italy

A. ARROTT
Simon Fraser University, Physics Department, Burnaby, BC, Canada V5A 1S6

J.I. BUDNICK
Department of Physics, University of Connecticut, Storrs, CT 06268, USA

K.H.J. BUSCHOW
Natuurkundig Laboratorium der Universiteit van Amsterdam, Valckenierstraat 65, 1018 XE Amsterdam, The Netherlands

J.N. CHAPMAN*
Department of Physics and Astronomy, Glasgow University, Glasgow G12 8QQ, Scotland

J.D.M. COEY
Department of Pure and Applied Physics, Trinity College, University of Dublin, Dublin 2, Ireland

C.E.T.G. da SILVA
Lab. Nacional de Liz Sincroton, C.P. 6192, 13081 Campinas SP, Brazil

D.M. EDWARDS
Department of Mathematics, Imperial College of Science and Technology, Huxley Building, 180 Queen's Gate, London SW7 2BZ, UK

E. FAWCETT
Physics Department, University of Toronto, Toronto, Canada M5S 1A7

D. FIORANI
Istituto di Chimica dei Materiali, CNR - Area della Ricerca di Roma, C.P. 10 - 00016 Monterotondo Stazione, Rome, Italy

J.J.M. FRANSE
Natuurkundig Laboratorium der Universiteit van Amsterdam, Valckenierstraat 65, 1018 XE Amsterdam, The Netherlands

F.J. FRIEDLAENDER
Purdue University, School of Electrical Engineering, Electrical Engineering Building, West Lafayette, IN 47907, USA

H. FUJIMORI**
Institute for Materials Research, Tohoku University, Katahira 2-1-1, Sendai 980, Japan

K.A. GSCHNEIDNER, Jr.
Ames Laboratory, US Department of Energy, Iowa State University, Ames, IA 50011, USA

N. IMAMURA*
Tosoh Corporation, Advanced Materials Research Laboratories, 2743-1, Hayakawa, Ayase-Shi 252, Japan

G.M. KALVIUS
Physik Department E15, Fakultät für Physik der Technischen Universität München, James-Franck-Strasse, W-8046 Garching bei München, Germany

T. KASUYA
Department of Physics, Faculty of Science, Tohoku University, Sendai 980, Japan

J. KIRSCHNER
Max-Planck-Institut für Mikrostrukturphysik, Weinberg 2, D-06120 Halle/Saale, Germany

J.S. KOUVEL***
Department of Physics, University of Illinois at Chicago, Box 4348/M/C273, Chicago, IL 60680, USA

H. KRONMÜLLER
Institut für Physik, Max-Planck-Institut für Metallforschung, Postfach 800665, D-70506 Stuttgart, Germany

M.H. KRYDER*
Data Storage Center, Carnegie Mellon University, Pittsburgh, PA 15213-3890, USA

J.C. LODDER*
Electrical Engineering, Transducers and Materials Science, University of Twente, P.O. Box 217, 7500 AE Enschede, The Netherlands

F.E. LUBORSKY
Research & Development, General Electric Co., 123M, K-1, Schenectady, NY 12301, USA

S. METHFESSEL***
Ruhr-Universität Bochum, Fakultät für Physik and Astronomie, Institut für Experimentalphysik IV, Postfach 102148, W-4630 Bochum 1, Germany

** Senior Advisory Editor.

*** Emeritus Advisory Editor.

S. MIYAOKA*
Corporate Research Laboratories, Sony Corporation, 6-7-35, Kitashinagawa, Shinagawa-ku, Tokyo 141, Japan

Y. NAKAMURA*
Research Institute of Electrical Communication, 2-1-1 Katahira, Aoba-ku, Sendai 980, Japan

M. NAOE
Dept. of Physical Electronics, Tokyo Institute of Technology, 2-12-1 0-Okayama, Meguto, Tokyo 152-8552, Japan

V.I. OZHOGIN**
Kurchatov Institute of Atomic Energy, Kurchatov Square 2, 123182 Moscow, Russian Federation

V.I. PETINOV
Institute of Chemical Physics, Russian Academy of Sciences, 142432 Moscow Region, Chernogolovka, Russian Federation

D. PIERCE
Electron Physics Group, National Institute of Standards and Technology, Bldg. 220, Rm B-206, Gaithersburg, MD 20899, USA

F.E. PINKERTON
Physics Department, General Motors Research and Development Center, 30500 Mound Road, Box 9055, Warren, MI 48090-9055, USA

J.L. PORTESEIL
Centre National de la Recherche Scientifique, Laboratoire de Magnétisme Louis Néel, 25, avenue des Martyrs, BP 166, 38042 Grenoble cedex 9, France

G. PRINZ
Naval Research Laboratories, Condensed Matter & Science Division, Code 4600, Washington, DC 20375-5000, USA

F.C. PU
Institute of Physics, Academia Sinica, Beijing, P.R. China

J.J. RHYNE
Missouri University Research Reactor, University of Missouri, Columbia, MO 65211, USA

I.K. SCHULLER
Thin Film Laboratory, Department of Physics, University of California – San Diego, La Jolla, CA 92093-0319, USA

T. SHINJO
Institute for Chemical Research, Kyoto University, Uji, Kyoto-fu, 611 Japan

J.C. SLONCZEWSKI
Thomas Watson Research Center, P.O. Box 218, Yorktown Heights, NY 10598, USA

D.E. SPELIOTIS
ADE Technologies, Inc., 77 Rowe Street, Newton, MA 02166, USA

R. SPERLING
Department of Genetics, Faculty of Mathematics & Natural Sciences, The Hebrew University of Jerusalem, Givat Ram, Jerusalem 91904, Israel

T. SUZUKI
Information Storage Materials Research Laboratory, Toyota Technological Institute, 2-12-1, Hisakata, Tenpaku-ku, Nagoya 468-8511, Japan

H. SZYMCZAK
Institute of Physics, Polish Academy of Sciences, al. Lotników 32/46, 02-668 Warsaw, Poland

R. VEITCH*
VIT/EWP, J542, BASF AG, D-67056 Ludwigshafen, Germany

H. VÖLZ*
Zentralinstitut für Kybernetik und Informationsprozesse, Rudower Chaussee 5/6, D-12489 Berlin, Germany

S.V. VONSOVSKI
Institute of Metal Physics, Ural Science Research Center of the Russian Academy of Sciences, 18 South Kovalevskaya str., K-66 Ekaterinburg, Russian Federation

J. ZHU
Department of Electrical and Computer Engineering, Carnegie Mellon University, Pittsburgh, PA 15213-3890, USA

ELSEVIER

Journal of Magnetism and Magnetic Materials 171–190 (1999) 1

Journal of magnetism and magnetic materials

www.elsevier.com/locate/jmmm

List of Proceedings and Special Issues published in this period

Volume 175, Nos. 1–2 (November I 1997); First Toyota Workshop on Magnetism and Magnetic Materials for High Density Information Storage (17–18 April 1997, Brussels, Belgium)

Volume 176, No. 1 (December I 1997); Special Issue on Magnetic Recording Research in Japan

Volumes 177–181 (January 1998); International Conference on Magnetism (27 July–1 August 1997, Cairns, Australia)

Volume 190, Nos. 1–2 (December I 1998); Workshop marking the 10th Anniversary of the Magnetic Force Microscope (9–10 January 1998, San Francisco, USA)

0304-8853/99/$-see front matter © 1999 Elsevier Science B.V. All rights reserved

ELSEVIER

Journal of Magnetism and Magnetic Materials 171–190 (1999) 3–83

Journal of magnetism and magnetic materials

www.elsevier.com/locate/jmmm

Author index to volumes 171–190

Abarra, E.N., P. Glijer, H. Kisker, I. Okamoto and T. Suzuki, Thermal stability and micromagnetic properties of high-density CoCrPtTa longitudinal media **175**: 148
Abbas, T., see Rana, M.U. **187**: 242
Abd-Elmeguid, M.M., see Drescher, K. **182**: L275
Abdeen, A.M., Electric conduction in Ni–Zn ferrites **185**: 199
Abdulla, M., see Mekata, M. **177/181**: 731
Abe, H., H. Kitazawa, H. Suzuki and G. Kido and T. Matsumoto, Magnetic properties of $CeRh_2Si_2$ and $CePd_2Si_2$ single crystals **177/181**: 479
Abe, S., see Nakama, T. **177/181**: 425
Abe, S., see Yoshida, H. **177/181**: 1449
Abe, Y., see Sugawara, H. **177/181**: 359
Abelmann, L., see Porthun, S. **182**: 238
Abelmann, L., S. Porthun, M. Haast, C. Lodder, A. Moser, M.E. Best, P.J.A. van Schendel, B. Stiefel, H.J. Hug, G.P. Heydon, A. Farley, S.R. Hoon, T. Pfaffelhuber, R. Proksch, K. Babcock, Comparing the resolution of magnetic force microscopes using the CAMST reference samples **190**: 135
Abelmann, L., see Vellekoop, B. **190**: 148
Abelyashev, G.N., V.N. Berzhansky, Yu.V. Fedotov, S.N. Polulyakh and N.A. Sergeev, Transverse magnetic relaxation of ^{53}Cr nuclei in Ag-doped $CdCr_2Se_4$ **184**: 222
Abid, M., see Lassri, H. **172**: 61
Abliz, M., see Settai, R. **177/181**: 357
Abrego Castillo, I., see El Massalami, M. **172**: 139
Abu-Aljarayesh, I., S. Al-Khateeb and M.R. Said, Magnetic properties of the system Fe(Al, Mn) **185**: 220
Abu-Safia, H., see Yusuf, N.A. **184**: 375
Acet, M., see Entel, P. **177/181**: 1409
Achilleos, C.A., see Efthimiadis, K.G. **171**: 141
Achiwa, N., see Jamali, J.B. **177/181**: 789
Achu, E.W., H.J. Al-Kanani, J.G. Booth, M.M.R. Costa and B. Lebech, Studies of the incommensurate structures of B20 alloys **177/181**: 779
Adachi, G., see Arlot, R. **172**: 119
Adachi, K., see Yoshie, H. **177/181**: 481
Adachi, K., see Toda, M. **177/181**: 825
Adachi, K., see Maruyama, F. **177/181**: 1128
Adachi, K., see Nagai, H. **177/181**: 1131
Adachi, K., see Momiji, H. **182**: 396
Adachi, N., T. Hibi and T. Okuda, Magnetic and magnetooptic properties of LPE films of Nd–Lu–Y iron garnet **177/181**: 233
Adachi, Y., K. Noami, K. Yabe, K. Ueda, M. Endo, Q.F. Lu, I. Umehara, K. Mori and K. Sato, Thermal conductivity of intermetallic compound NdNi **177/181**: 1061
Adachi, Y., see Umehara, I. **177/181**: 1143
Adeyeye, A.O., see Cowburn, R.P. **173**: 193
Adeyeye, A.O., J.A.C. Bland and C. Daboo, Magnetic and magneto-transport behavior in variable width $Ni_{80}Fe_{20}$ flat wires **188**: L1
Adrian, H., see Jourdan, M. **177/181**: 431
Adrian, H., see Jakob, G. **177/181**: 1247
Aegerter, C.M., see Lee, S.L. **177/181**: 523
Aegerter, C.M., see Ager, C. **177/181**: 561
Aeppli, G., see Bao, W. **177/181**: 283
Ager, C., see Lee, S.L. **177/181**: 523
Ager, C., S.L. Lee, C.M. Aegerter, F. Pratt, S.J. Blundell, S.H. Lloyd, T. Sasaki, E.M. Forgan and H. Keller, Angular-dependent muon-spin rotation on the mixed state of the organic superconductor K-(BEDT-TTF)$_2$CU(SCN)$_2$ **177/181**: 561
Aguiar, J.A., see Awana, V.P.S. **187**: 192
Aguilera-Granja, F., see Guirado-López, R. **186**: 214
Ahmad, I., see Rana, M.U. **187**: 242
Ahmed, F.M., see Edgley, D.S. **173**: 29
Ahmet, P., see Settai, R. **177/181**: 357
Ahn, C.H., see Klein, L. **188**: 319
Ajiki, H., see Wakabayashi, K. **177/181**: 1484
Ajiro, Y., see Chiba, M. **177/181**: 630
Ajiro, Y., see Asano, T. **177/181**: 640
Ajiro, Y., T. Uchikawa, T. Asano and M. Mekata, New interpretation of ESR of the $S = \frac{1}{2}$ broken valence bond in Zn-doped NENP **177/181**: 707

0304-8853/99/$ - see front matter © 1999 Elsevier Science B.V. All rights reserved.
PII: S0304-8853(99)00418-7

Ajiro, Y., see Inagaki, Y. **177/181**: 723
Ajiro, Y., see Jamali, J.B. **177/181**: 789
Ajiro, Y., see Uyeda, M. **177/181**: 833
Akagi, K., see Momiji, H. **182**: 396
Akai, H., see Kotani, T. **177/181**: 569
Akbar, S., see Kakehashi, Y. **177/181**: 573
Akimitsu, J., see Kitaoka, Y. **177/181**: 487
Akimitsu, J., see Kimura, S. **177/181**: 624
Akimitsu, J., see Nojiri, H. **177/181**: 687
Akimitsu, J., see Yamada, I. **177/181**: 703
Akimitsu, M., see Hori, T. **177/181**: 1425
Akioka, K., H. Ohta, S. Okubo, K. Miyagawa and K. Kanoda, Submillimeter wave ESR measurements of two-dimensional organic antiferromagnet β′-(BEDT-TTF)$_2$ICl$_2$ **177/181**: 746
Akita, M., see Sato, K. **177/181**: 1379
Akita, T., see Okumura, Y. **185**: 249
Akther Hossain, A.K.M., see Ghivelder, L. **189**: 274
Al-Kafarji, M., see Sena, S.P. **176**: 111
Al-Kanani, H.J., see Achu, E.W. **177/181**: 779
Al-Khafaji, M.A., W.M. Rainforth, M.R.J. Gibbs, H.A. Davies and J.E.L. Bishop, Magnetic force microscopy of nanocrystalline NdFeB ribbons: A study of tip–sample interaction using a well-characterised sample **182**: 111
Al-Khafaji, M.A., W.M. Rainforth, M.R.J. Gibbs, H.A. Davies and J.E.L. Bishop, The effect of phase constitution on the magnetic structure of nanophase NdFeB alloys observed by magnetic force microscopy **188**: 109
Al-Khafaji, M.A., see Huo, S. **190**: 17
Al-Khafaji, M.A., S.P.H. Marashi, W.M. Rainforth, M.R.J. Gibbs, H.A. Davies, J.E.L. Bishop and G. Heydon, MFM of nanocrystalline NdFeB: a study of the effect of processing route on the micromagnetic structure **190**: 48
Al-Khateeb, S., see Abu-Aljarayesh, I. **185**: 220
Al-Wahsh, H. M. Urbán and A. Czachor, Exact solutions for a model antiferromagnet with identical coupling between spins **185**: 144
Al-Wazzan, R., see Papakonstantinou, P. **189**: 120
Albanese, G., B.E. Watts, F. Leccabue and S. Díz Castañón, Mössbauer and magnetic studies of $PbFe_{12-x}Cr_xO_{19}$ hexagonal ferrites **184**: 337
Alberts, H.L., see Prinsloo, A.R.E. **177/181**: 1413
Alberts, H.L., see Martynova, J. **187**: 345
Albino Aguiar, J., see Landinez Tellez, D.A. **177/181**: 509
Albino Aguiar, J., see Cabral, L.R.E. **177/181**: 513
Alcalá, E.M., see Dufour, J. **172**: 308
Alekseev, P.A., see Raymond, S. **190**: 245
Alford, N.McN., see Ghivelder, L. **189**: 274
Algarabel, P.A., see Morellon, L. **177/181**: 1085
Ali, M., R. Watts, W.J. Karl and M.R.J. Gibbs, The use of stress for the control of magnetic anisotropy in amorphous FeSiBC thin films: a magneto-optic study **190**: 199
Allen, P.D., T.G. St. Pierre and R. Street, Magnetic interactions in native horse spleen ferritin below the superparamagnetic blocking temperature **177/181**: 1459
Allen, S.J., see Ohta, H. **177/181**: 341
Allen, W., see Gregg, J. **175**: 1
Almeida, B.G., see Pereira de Azevedo, M.M. **173**: 155
Almeida, B.G., see Pereira de Azevedo, M.M. **173**: 230
Almeida, B.G., V.S. Amaral, J.B. Sousa, J. Colino and I.K. Schuller, Temperature dependence of the magnetic interlayer coupling in Fe/Cr multilayers **177/181**: 1170
Almeida, M., see Gonçalves, A.P. **189**: 283
Alonso, J.A., J.X. Boucherle, F. Givord, J. Schweizer, B. Gillon and P. Lejay, Evidence for 5d anisotropic negative polarization along the Ce chains in $CeRh_3B_2$ **177/181**: 1048
Altounian, Z., see Girt, Er. **177/181**: 982
Alves, E., see Amaral, V.S. **177/181**: 511
Alves, K.M.B., see Biondo, A. **176**: 272
Amako, Y., see Yoshie, H. **177/181**: 481
Amako, Y., see Courtois, D. **177/181**: 995
Amako, Y., see Maruyama, F. **177/181**: 1128
Amako, Y., see Nagai, H. **177/181**: 1131
Amako, Y., see Vert, R. **188**: 173
Amako, Y., see Courtois, D. **189**: 173
Amann, C., see Lanchava, B. **176**: 139
Amanowicz, M., see Pasternak, M.P. **177/181**: 1377
Amanowicz, M., see Pasternak, M.P. **183**: 185
Amaral, Jr., M.R., see El Massalami, M. **172**: 139
Amaral, V.S., J.G. Correia, A.A.C.S. Lourenço, J.G. Marques, J.A. Mendes, M.A. Baptista, J.P. Araújo, J.M. Moreira, J.B. Sousa, E. Alves, M.F. da Silva and J.C. Soares, Microscopic studies of radioactive Hg implanted in $YBa_2Cu_3O_{6+x}$ superconducting thin films **177/181**: 511
Amaral, V.S., see Almeida, B.G. **177/181**: 1170
Amato, A., see de Visser, A. **177/181**: 435
Ambrose, T., R.L. Sommer and C.L. Chien, New features of exchange coupling in FM/AF bilayers **177/181**: 1235
Aminov, T.G., see Warczewski, J. **175**: 299
Amitsuka, H., see Park, J.-G. **177/181**: 455
An, S.Y., see Kim, C.S. **177/181**: 993
Anantharaman, M.R., S. Jagatheesan, K.A. Malini, S. Sindhu, A. Narayanasamy, C.N. Chinnasamy, J.P. Jacobs, S. Reijne, K. Seshan, R.H.H. Smits and H.H. Brongersma, On the magnetic properties of ultra-fine zinc ferrites **189**: 83
Anda, E.V., see Büsser, C. **177/181**: 311
Anda, E.V., see Davidovich, M.A. **177/181**: 313
Anders, A.G., V.S. Bondarenko, A. Feher, A. Orendáčová and M. Orendáč, Evidence

for stationary non-linear excitations in specific heat of dipolar magnet $KEr(MoO_4)_2$ **187**: 125
Andersen, K.H., see Smith, T.J. **177/181**: 543
Anderson, P.W., see Gulacsi, M. **177/181**: 319
Andersson, Y., see Liu, H.-p. **189**: 69
Ando, K., see Sakurai, T. **173**: 185
Ando, K., see Kurimoto, M. **177/181**: 245
Ando, Y., see Kato, H. **189**: 263
Andoh, Y., M. Kurisu, S. Kawano and I. Oguro, Magnetic properties and magnetic anisotropy of RNiSn (RùGd, Ho and Er) single crystals **177/181**: 1063
Andoh, Y., see Oki, A. **177/181**: 1089
Andoh, Y., see Kawano, S. **182**: 393
Andraka, B., see Troć, R. **183**: 132
André, G., see Schobinger-Papamantellos, P. **182**: 96
André, G., see Damay, F. **184**: 71
André, G., see Tran, V.H. **186**: 81
André, G., see Damay, F. **190**: 221
André, G., see Troć, R. **190**: 251
Andreev, A.V., see Aoki, Y. **177/181**: 271
Andreev, A.V., see Iwamoto, Y. **177/181**: 585
Andreev, A.V., see Prokeš K. **184**: 369
Andreev, S.V., N.V. Kudrevatykh, V.I. Pushkarsky, P.E. Markin, N.K. Zaikov and E.N. Tarasov, Magnetic hysteresis properties of melt-spun Nd–Fe–B alloys prepared by centrifugal method **187**: 83
Andres, J.P., see Riveiro, J.M. **188**: 153
Andres, K., see Takabatake, T. **177/181**: 277
Andrianov, A.V., see Palmer, S.B. **177/181**: 1023
Andruszkiewicz, R., see Troć, R. **183**: 132
Aning, A., see Seifu, D. **189**: 305
Anthony, T.C., see Portier, X. **187**: 145
Antic, B., see Rodic, D. **187**: 88
Antonov, A., see Usov, N. **171**: 64
Antonov, A., see Usov, N. **174**: 127
Antonov, A.S., see Usov, N.A. **185**: 159
Antonov, A.S., I.T. Iakubov and A.N. Lagarkov, Nondiagonal impedance of amorphous wires with circular magnetic anisotropy **187**: 252
Antoshina, L.G., A.N. Goryaga and E.N. Evstafieva, The influence of frustration on the magnetostriction of the ferrites–cromites of copper **185**: 101
Antoshina, L.G., A.N. Goryaga and E.N. Kukudzhanova, Magnetostriction of ferrite of the system $CuGa_xAl_xFe_{2-2x}O_4$ ($x = 0.5$) with frustrated structure **188**: 228
Antunes, A.B., see Miranda, M.G.M. **185**: 331
Aoki, D., Y. Katayama, R. Settai, Y. Inada, Y. Onuki, H. Harima and Z. Kletowski, De Haas–van Alphen effect and the antiferroquadrupolar ordering of $PrPb_3$ **177/181**: 365
Aoki, H., see Pittini, R. **177/181**: 345
Aoki, H., see Haworth, C.J. **177/181**: 369
Aoki, H., M. Takashita, C.J. Haworth, T. Matsumoto, T. Terashima, S. Uji, C. Terakura, T. Miura, A. Uesawa and T. Suzuki, dHvA effect of CeSb under pressure in the antiferromagnetic phase **177/181**: 371
Aoki, H., see Takashita, M. **177/181**: 417
Aoki, H., see Terashima, T. **177/181**: 421
Aoki, H., see Ramakrishnan, S. **177/181**: 459
Aoki, M., see Yamada, H. **177/181**: 607
Aoki, Y., see Kobayashi, Y. **176**: 164
Aoki, Y., T.D. Matsuda, H. Sugawara, H. Sato, H. Ohkuni, R. Settai, Y. Onuki, E. Yamamoto, Y. Haga, A.V. Andreev, V. Sechovsky, L. Havela, H. Ikeda and K. Miyake, Thermal properties of metamagnetic transition in heavy-fermion systems (*Invited paper*) **177/181**: 271
Aoki, Y., see Sugawara, H. **177/181**: 359
Aoki, Y., see Sato, H. **177/181**: 409
Aoki, Y., see Böttger, G. **177/181**: 517
Aoki, Y., H.R. Sato, T.D. Matsuda, H. Sugawara and H. Sato, Coexistence of, and competition between, superconductivity and magnetism in $YbPd_2Sn$ **177/181**: 559
Aoyagi, E., see Shima, T. **177/181**: 911
Aplesnin, S.S., A study of anisotropic 2D Heisenberg model with alternating bond and $S = \frac{1}{2}$ by Monte-Carlo method **189**: 115
Appleton, S.G., see Pullar, R.C. **186**: 313
Appleton, S.G., see Pullar, R.C. **186**: 326
Aragoneses, P., J.M. Blanco, L. Domínguez, J. González and K. Kulakowski, Evidence of negative tensile stress frozen in a CoSiB amorphous wire **177/181**: 199
Aragonéses, P., see Blanco, J.M. **186**: 135
Arai, J. and T. Yamagishi, Mössbauer study of high-T_c superconductor $Bi_2Sr_2Ca_{1-x}Y_x(Cu_{1-y}Fe_y^{57})_2O_{8+z}$ **177/181**: 515
Arakelian, V.H., Real and virtual normal modes on antiferromagnetic surface **188**: 85
Araki, S., see Settai, R. **177/181**: 357
Araújo, J.P., see Amaral, V.S. **177/181**: 511
Arcas, J., A. Hernando, J.M. García-Beneytez and M. Vázquez, Spatial fluctuations of magnetostriction in a nanostructured system **186**: 283
Ardisson, J.D., see Santos, A. **177/181**: 247
Argüelles, M.A., see Soldevilla, J.G. **186**: 49
Ariake, J., see Keitoku, T. **176**: 25
Arias, R. and H.N. Bertram, Fast thermal reversal of magnetic particles **171**: 209
Arioka, T., H. Ohta, S. Okubo, R. Kanno and N. Kitamura, ESR measurements of quasi-one-dimensional antiferromagnet Sr_3CuPtO_6 in millimeter wave region **177/181**: 653
Arioka, T., see Ohta, H. **177/181**: 1371

Arlot, R., H. Izumi, K. Machida, D. Fruchart and G. Adachi, Particle size dependence of the magnetic properties for zinc-coated $Sm_2(Fe_{0.9}Co_{0.1})_{17}N_{2.9}$ powders **172**: 119
Arnaudas, J.I., see Ciria, M. **177/181**: 1162
Arnold, Z., see Cuong, T.D. **177/181**: 597
Arnold, Z., see Morellon, L. **177/181**: 1085
Arnold, Z., see Cuong, T.D. **182**: 143
Aroca, C., see Prieto, J.L. **174**: 289
Aroca, C., see Prieto, J.L. **177/181**: 215
Aroca, C., see Rodríguez, M. **177/181**: 220
Arola, E., P. Strange, N.I. Kulikov, M.J. Woods and B.L. Gyorffy, Application of the relativistic theory of magnetic scattering of X-rays to ferromagnetic Fe and $Cr_{47}Fe_{53}$ alloy **177/181**: 1415
Arons, R.R., see Osthöver, C. **177/181**: 854
Arons, R.R., Magnetic studies of the Ba–Tb–In-oxide, a new proton conductor with the simple perovskite-like structure **177/181**: 869
Artman, J.O., see Layadi, A. **176**: 175
Aruga Katori, H., see Katsumata, K. **177/181**: 626
Aruga Katori, H., see Asano, T. **177/181**: 640
Asada, H., see Matsuyama, K. **177/181**: 197
Asada, T. and S. Blügel, Prediction of magnetic structures of ultra-thin Fe films on Cu(100): Successful understanding of experimental findings **177/181**: 1233
Asada, T., see Asato, M. **177/181**: 1403
Asada, T., see Hoshino, T. **177/181**: 1411
Asano, M., see Kamimori, T. **177/181**: 1119
Asano, T., see Chiba, M. **177/181**: 630
Asano, T., Y. Ajiro, M. Mekata, K. Kamishima, T. Goto, H. Aruga Katori and K. Katsumata, Magnetic phase diagram of $CsNi_{1-x}Fe_xCl_3$: magnetization and specific heat **177/181**: 640
Asano, T., see Ajiro, Y. **177/181**: 707
Asano, T., see Inagaki, Y. **177/181**: 723
Asano, T., see Mekata, M. **177/181**: 731
Asano, T., see Uyeda, M. **177/181**: 833
Asato, M., T. Hoshino, T. Asada, R. Zeller and P.H. Dederichs, Vacancy formation energies in FCC metals: non-local effect beyond the LSDA **177/181**: 1403
Asato, M., see Hoshino, T. **177/181**: 1411
Asayama, K., see Imada, S. **177/181**: 387
Asayama, K., see Kitaoka, Y. **177/181**: 487
Asayama, K., see Thessieu, C. **177/181**: 609
Asgar, M.A., see Khan, F.A. **174**: 121
Ashihara, A., see Takahashi, T. **177/181**: 1027
Aso, N., see Metoki, N. **177/181**: 449
Astaf'eva, T.G., see Dovgij, V.T. **172**: 77
Atherton, D.L., see Yu, Y. **171**: 94
Atherton, D.L., see Mandal, K. **175**: 255
Atherton, D.L., see Liorzou, F. **182**: 49
Atherton, D.L., see Liorzou, F. **187**: 69
Atkinson, R. and P.M. Dodd, Optical and magneto-optical properties of sputter-deposited Co/Cu multilayers **173**: 202
Atkinson, R., see Gerber, R. **175**: 79
Atkinson, R., see Pollard, R.J. **176**: 134
Atkinson, R., see Papakonstantinou, P. **189**: 120
Auffret, S., see Nagamine, L.C.C.M. **174**: 309
Auric, P., see Nagamine, L.C.C.M. **174**: 309
Auric, P., see Gehanno, V. **188**: 310
Aus, M., see Szpunar, B. **187**: 325
Awaga, K., see Fujii, Y. **177/181**: 991
Awaji, S., see Wang, Z.J. **176**: 127
Awana, V.P.S., J. Horvat, S.X. Dou, A. Sedky and A.V. Narlikar, Impact of Pr on structural, superconducting and magnetic properties of $Y_{1-x}Pr_xBaSrCu_3O_7$ **182**: L280
Awana, V.P.S., S.X. Dou, S.K. Malik, R. Singh, A.V. Narlikar, D.A.L. Tellez, J.M. Ferreira, J.A. Aguiar, S. Uma, E. Gmelin and W.B. Yelon, Structural aspects, superconductivity and thermal properties of Pr in the $La_{1-x}Pr_xCaBaCu_3O_{7-\delta}$ system with $1.0 \geqslant x \geqslant 0.0$ **187**: 192
Awano, H., see Sakurai, T. **173**: 185
Azanza, M.J. and A. del Moral, ELF-magnetic field induced effects on the bioelectric activity of single neurone cells **177/181**: 1451
Azcoiti, E., see Madurga, V. **177/181**: 945
Azevedo, A., see de Aguiar, F.M. **177/181**: 844
Azevedo, A., C. Chesman, M. Lucena, F.M. de Aguiar, S.M. Rezende and S.S.P. Parkin, Biquadratic coupling dependence on spacer layer thickness for Fe/Cr/Fe **177/181**: 1177
Azevedo, A., see Rezende, S.M. **177/181**: 1213
Aziz, M., see Middleton, B.K. **188**: 248
Azuma, M., see Fujiwara, N. **177/181**: 628
Azuma, M., Y. Fujishiro, M. Takano, M. Nohara, H. Takagi, S. Ohsugi, Y. Kitaoka and R.S. Eccleston, Impurity effects on a two-leg spin ladder compound $SrCu_2O_3$ **177/181**: 655

Babcock, K., see Abelmann, L. **190**: 135
Baberschke, K., see May, F. **177/181**: 1220
Baberschke, K., see Poulopoulos, P. **177/181**: 1225
Babić Stojić, B., see Šoškić, Z. **175**: 311
Babonas, G.-J., see Szymczak, R. **177/181**: 711
Babu, V.S., see Seifu, D. **189**: 305
Bach, A., see Langhammer, C. **177/181**: 443
Bacri, J.C., see Gazeau, F. **186**: 175
Baczewski, L.T., R. Kalinowski and A. Wawro, Magnetization and anisotropy in Fe/Gd multilayers **177/181**: 1305
Badehdah, M., A. Benyoussef and M. Touzani, Two-dimensional antiferromagnetic Ising model studied by Lipowski–Suzuki method **172**: 254
Bader, S.D., see Osgood III, R.M. **182**: 297
Baggio-Saitovitch, E., see Biondo, A. **176**: 272

Baggio-Saitovitch, E., see Han, X.-F. **190**: 257
Bahadur, D., see Misra, S.K. **187**: 93
Bahaj, A.S., P.A.B. James and F.D. Moeschler, Low magnetic-field separation system for metal-loaded magnetotactic bacteria **177/181**: 1453
Bahaj, A.S., I.W. Croudace, P.A.B. James, F.D. Moeschler and P.E. Warwick, Continuous radionuclide recovery from wastewater using magnetotactic bacteria **184**: 241
Bai, C., see Tian, F. **171**: 135
Bai, H.L., see Wang, H.Y. **176**: 159
Baibich, M.N., see Miranda, M.G.M. **185**: 331
Baines, C., see Mulders, A.M. **177/181**: 555
Bakare, P.P., see Bhosale, D.N. **173**: 51
Bakkaloğlu, Ö.F., A magnetic study of sputtered Fe/Cu multilayer films **182**: 324
Bakkaloğlu, Ö.F., I.H. Karahan, H. Efeoğlu, M. Yıldırım, U. Çevik and Y.K. Yoğurtcu, Magnetic studies on electrodeposited $Cu_{1-x}Co_x$ alloy films **190**: 193
Balbashov, A.M., see Demin, R.V. **177/181**: 871
Balbashov, A.M., see Mukhin, A.A. **183**: 157
Balbashov, A.M., see Mukhin, A.A. **183**: 160
Balcerzak, T., A rigorous equation of state for magnetic systems **177/181**: 771
Balcerzak, T., see Tucker, J.W. **187**: 381
Ban, S., K. Itoh, N. Ohkubo and K. Kanematsu, Mössbauer studies on valence change of rare-earth ions $Ce_{1-x}R_xFe_2$ (R = La, Pr, Nd) **177/181**: 475
Ban, S., see Ohkubo, N. **177/181**: 1137
Bando, Y., see Takabatake, T. **177/181**: 277
Bansmann, J., L. Lu, M. Getzlaff, M. Fluchtmann, J. Braun and K.H. Meiwes-Broer, Magnetic linear dichroism in valence band photoemission – a technique to study electronic and magnetic properties **185**: 94
Bao-gen Shen, see Wang, F. **177/181**: 1056
Bao, W., C. Broholm, G. Aeppli, S.A. Carter, P. Dai, C.D. Frost, J.M. Honig and P. Metcalf, Magnetic correlations in a classic Mott system (*Invited paper*) **177/181**: 283
Baptista, M.A., see Amaral, V.S. **177/181**: 511
Bar'yakhtar, F.G., see Dovgij, V.T. **172**: 77
Baran, M., see Tomkowicz, Z. **172**: 128
Baran, M., see Tsurkan, V. **172**: 317
Baran, M., see Wisniewski, A. **177/181**: 499
Barandiarán, J.M., see Hernando, A. **174**: 181
Barandiarán, J.M., see Schmool, D.S. **177/181**: 955
Baranov, N.V., see Kreiner, K. **177/181**: 581
Baranov, N.V., P.E. Markin, H. Nakotte and A. Lacerda, Magnetic and transport properties of Tb_3Co studied on single crystals **177/181**: 1133
Barash, V.Y., see Didosyan, Y.S. **177/181**: 203
Barbara, B., L. Thomas, F. Lionti, A. Sulpice and A. Caneschi, Quantum resonance of the magnetisation in a single-crystal of Mn_{12}-ac (*Invited paper*) **177/181**: 1324
Barbier, G., see Gourdin, C. **177/181**: 201
Barclay, J.A., see Foldeaki, M. **174**: 295
Bardou, N., see Jamet, J.P. **175**: 125
Barghout, K., see Hamdeh, H.H. **186**: 377
Barra, A.-L., G. Chouteau, A. Stepanov and C. Delmas, High magnetic field spin resonance in nearly stoichiometric $LiNiO_2$: evidences for magnetic cluster formation **177/181**: 783
Barra, A.L., A. Caneschi, D. Gatteschi and R. Sessoli, Very high field EPR study of a molecular nanomagnet **177/181**: 709
Bartashevich, M.I., see Kamishima, K. **177/181**: 587
Bartenlian, B., see Hillebrands, B. **175**: 10
Bartenlian, B., see Jamet, J.P. **175**: 125
Barthelemy, A., see Schroeder, P.A. **177/181**: 1464
Barthem, V., see El Massalami, M. **188**: 379
Barthem, V.M.T.S., E.A. Moreira da Gama and A.Y. Takeuchi, The magnetism of $Tb(Ni_{1-x}Cu_x)_5$ compounds **177/181**: 1065
Barthem, V.M.T.S., see de Jesus, V.L.B. **177/181**: 1125
Baszyński, J., see Kowalczyk, A. **176**: 241
Baszyński, J., see Idzikowski, B. **177/181**: 941
Batlle, X., see García del Muro, M. **171**: 315
Baudry, A., P. Boyer and M. Brunel, Magnetic properties of Tm–Zr multilayers **185**: 309
Bauer, E., see Hauser, R. **177/181**: 292
Bauer, E., see Doktor, M. **177/181**: 333
Bauer, E., see El-Hagary, M. **177/181**: 551
Bauer, E., A. Galatanu, R. Hauser, Ch. Reichl, G. Wiesinger, G. Zaussinger, M. Galli and F. Marabelli, Evolution of a metallic and magnetic state in (Fe,Mn)Si and Fe(Si,Ge) **177/181**: 1401
Bauer, E., see Markosyan, A.S. **185**: 235
Bauer, G.E.W., see van Hoof, J.B.A.N. **177/181**: 188
Bauer, G.E.W., see Schep, K.M. **177/181**: 1166
Bauer, J., see Zern, A. **184**: 89
Bauer, M., see Hillebrands, B. **175**: 10
Baumann, M., G. Nakielski, A. Spirgatis and J. Kötzler, Marginally stable diamagnetic screening below the vortex-glass transition of $YBa_2Cu_3O_7$ **177/181**: 497
Bauminger, E.R., see Nowik, I. **185**: 91
Bayle-Guillemaud, P., see Dieny, B. **185**: 283
Bayreuther, G., see Zölfl, M. **175**: 16
Bazhan, A.N., Magnetic anisotropy of Nd_2CuO_4 at $T \sim 4.2$ K **185**: 228
Beach, R.S., see O'Donovan, K.V. **186**: 161
Beasley, M.R., see Klein, L. **188**: 319
Beaumont, S.P., see Overend, N. **177/181**: 898
Beaurepaire, E., see Hong, S. **171**: 280
Beaurepaire, E., see Garreau, G. **184**: 289
Beauvillain, P., see Ferré, J. **174**: 77
Bechert, A., see Lanchava, B. **176**: 139
Beck, U., see Smith, T.J. **177/181**: 543
Becker, B., see Ramakrishnan, S. **177/181**: 459

Becker, S., H. Rohrmann and K. Röll, Switching-field characteristics of exchange-coupled double layers (ECDLs) **171**: 225
Bedell, K.S. and M. Gulacsi, Behavior of the spin–spin correlation function through the metal–insulator transition **184**: 313
Bednarek, S., Magnetic suspensions based on composite particles **183**: 195
Bednarek, S., Piezoinductive effect in ferromagnetic composites within an electrically conducting matrix **188**: 71
Bednarek., S., Changes in thickness of magnetized composites due to current flow **182**: 350
Beille, J., see Kaczmarska, K. **187**: 210
Belanger, D.P., see Kleemann, W. **177/181**: 209
Belanger, D.P., see Slanič, Z. **186**: 65
Belayachi, A., see Dormann, J.L. **185**: 1
Beliën, P., see Schad, R. **182**: 65
Bellessa, G., see Vernier, N. **177/181**: 962
Belliard, L., J. Miltat, A. Thiaville, S. Dubois, J.L. Duvail and L. Piraux, Observing magnetic nanowires by means of magnetic force microscopy **190**: 1
Bengrine, M., A. Benyoussef, A. El Kenz, M. Loulidi and F. Mhirech, Phase diagrams of a ferromagnetic amorphous bilayer system **183**: 334
Benhamou, M., see El Houari, B. **172**: 259
Bensch, F., see Zölfl, M. **175**: 16
Benyoussef, A., see Badehdah, M. **172**: 254
Benyoussef, A., see Bengrine, M. **183**: 334
Benyoussef, A., A. Boubekri and H. Ez-Zahraouy, Multilayer Heisenberg models: linear spin wave analysis **190**: 321
Berastegui, P., see Böttger, G. **177/181**: 517
Bercoff, P.G. and H.R. Bertorello, High-energy ball milling of Ba-hexaferrite/Fe magnetic composite **187**: 169
Berger, A., B. Feldmann, H. Zillgen and M. Wuttig, Correlation between the microscopic and macroscopic magnetic properties in ultrathin Fe/Cu(1 0 0)-films **183**: 35
Berkov, D.V., N.L. Gorn, R. Mattheis and T. Zimmermann, 3D micromagnetic model of finite linear defects in antiferromagnetically coupled multilayers **182**: 81
Berkov, D.V., Numerical calculation of the energy barrier distribution in disordered many-particle systems: the path integral method **186**: 199
Berkowitz, A.E., see Dieny, B. **185**: 283
Bernal, O.O., see Nieuwenhuys, G.J. **177/181**: 803
Bernardini, R., see Gubbiotti, G. **177/181**: 1259
Berthier, C., see Horvatić, M.Y. **177/181**: 669
Bertorello, H.R., see Bercoff, P.G. **187**: 169
Bertorello, H.R., see Billoni, O.V. **187**: 371
Bertram, H.N., see Arias, R. **171**: 209
Berzhansky, V.N., see Abelyashev, G.N. **184**: 222
Best, M.E., see Abelmann, L. **190**: 135
Betsuyaku, K., H. Harima and A. Yanase, Contributions of non-spherical potentials near atomic nuclei: Improvement of FLAPW method **177/181**: 1405
Bewley, R.I. and R. Cywinski, Superparamagnetic CuCo studied by μSR **177/181**: 923
Bewley, R.I., see Hillier, A.D. **177/181**: 1111
Bhagat, S.M., see Kwon, C. **172**: 229
Bhagwat, A., see Shinde, S.R. **186**: 342
Bhar, G.C., U. Chatterjee, K. Tsukamoto, T. Yanagisawa, A. Obara and H. Shen, Magnetoresistance effect in bulk samples of $La_{0.67}Ca_{0.33}MnO_3$ under a low magnetic field **188**: 180
Bhattacharya, A.K., see Hartridge, A. **176**: L89
Bhattacharya, A.K., see Hartridge, A. **183**: L1
Bhattacharya, A.K., see Pullar, R.C. **186**: 313
Bhattacharya, A.K., see Pullar, R.C. **186**: 326
Bhosale, D.N., N.D. Choudhari, S.R. Sawant and P.P. Bakare, Initial permeability studies on high density Cu–Mg–Zn ferrites **173**: 51
Bibicu, I., see Pereira de Azevedo, M.M. **173**: 230
Billardon, R., see Gourdin, C. **177/181**: 201
Billoni, O.V., S.E. Urreta, L.M. Fabietti and H.R. Bertorello, Dependence of the coercivity on the grain size in a FeNdB + αFe nanocrystalline composite with enhanced remanence **187**: 371
Binek, Ch., see Petracic, O. **175**: 272
Binek, Ch., see Kleemann, W. **177/181**: 209
Biner, S.B., see Govindaraju, M. **177/181**: 207
Binner, A., see Biru Worku, G. **174**: 167
Biondo, A., C. Larica, K.M.B. Alves, A.P. Guimarães and E. Baggio-Saitovitch, The effects of high-energy milling on $GdFe_2$ **176**: 272
Birke, M., see Wagener, W. **177/181**: 545
Biru Worku, G., A. Binner and W. Kunze, Comparison of different constitutive formulations for the computation of electromagnetic fields in a hysteretic medium **174**: 167
Bishop, A.R. and M. Gulacsi, Charge-magnon and -soliton states in the one-dimensional Hubbard model **184**: 302
Bishop, J.E.L., see Huo, S. **177/181**: 227
Bishop, J.E.L., see Huo, S. **177/181**: 229
Bishop, J.E.L., see Al-Khafaji, M.A. **182**: 111
Bishop, J.E.L., see Griffiths, M.K. **183**: 49
Bishop, J.E.L., see Al-Khafaji, M.A. **188**: 109
Bishop, J.E.L., see Huo, S. **190**: 17
Bishop, J.E.L., see Al-Khafaji, M.A. **190**: 48
Bissell, P.R., see Sollis, P.M. **177/181**: 892
Bissell, P.R., see Chantrell, R.W. **177/181**: 894
Bissell, P.R., see McCann, S.M. **183**: 220
Blach, T.P. and E.MacA. Gray, Nitrogen-induced degradation of $Nd_2Fe_{14}B$ **177/181**: 985

Blackman, J.A., see Duffy, D.M. **177/181**: 953
Blanco, J.A., see Garcia Soldevilla, J. **177/181**: 300
Blanco, J.M., see Aragoneses, P. **177/181**: 199
Blanco, J.M., L. Domínguez, P. Aragonéses and J. González, Induced anisotropy and magnetostriction behaviour of an annealed Co–Fe (Co-rich) amorphous wire **186**: 135
Bland, J.A.C., see Rosenbusch, P. **172**: 19
Bland, J.A.C., see Cowburn, R.P. **173**: 193
Bland, J.A.C., see Lauhoff, G. **177/181**: 1253
Bland, J.A.C., see Adeyeye, A.O. **188**: L1
Blanusa, J., see Rodic, D. **187**: 88
Blaskov, V., see Grigorova, M. **183**: 163
Bleaney, B., see Prandolini, M.J. **177/181**: 1054
Bloemen, P.H.J., see van der Heijden, P.A.A. **182**: 71
Blügel, S., see Asada, T. **177/181**: 1233
Blundell, S.J., see Ager, C. **177/181**: 561
Blythe, H.J., see Sena, S.P. **176**: 111
Blythe, H.J., see Grigorova, M. **183**: 163
Blythe, H.J., see Jones, G.A. **184**: 28
Boardman, A.D., see Boyle, J.W. **173**: 241
Bobák, A., see Žukovič, M. **188**: 52
Bode, M., see Getzlaff, M. **184**: 155
Bödeker, P., see Sonntag, P. **183**: 5
Bødker, F., S. Mørup, M.S. Pedersen, P. Svedlindh, G.T. Jonsson, J.L. Garcia-Palacios and F.J. Lazaro, Superparamagnetic relaxation in α-Fe particles **177/181**: 925
Bødker, F., see Hansen, M.F. **177/181**: 928
Bodryakov, V.Yu. and S.A. Nikitin, Magnetoelastic and inelastic properties of holmium single crystal **188**: 161
Bogner, J., M. Reissner, W. Steiner, X.C. Kou, R. Grössinger, R. Lorenz, J. Hafner and G. Wiesinger, Magnetic order in YFe_9Mo_3 **177/181**: 839
Böhm, H., see Talik, E. **186**: 33
Bondarenko, V.B., see Savchenko, L.L. **183**: 313
Bondarenko, V.S., see Anders, A.G. **187**: 125
Bonetti, E., see Del Bianco, L. **177/181**: 939
Böni, P., see Clemens, D. **177/181**: 1237
Bonnet, M., see Gonçalves, A.P. **189**: 283
Bonville, P., see Le Callonnec, C. **171**: 119
Booth, J.G., see Ko, K.Y. **176**: 313
Booth, J.G., see Achu, E.W. **177/181**: 779
Boothroyd, A.T., see Markvardsen, A.J. **177/181**: 502
Borczuch, M.S. and V.M. Uzdin, Fe clusters near the surface and interface in the FeCr systems **172**: 110
Bordère, S., S. Buzdin, B. Chevalier, D. Laffargue and J. Etourneau, Application of the anisotropic RKKY model on the composition dependence of the Néel temperature for $U_2(Ni_{1-x}Pd_x)_2Sn$ system **175**: 263
Bordin, G., G. Buttino, A. Cecchetti and M. Poppi, Hall effect and magnetoresistance in Co-based amorphous and crystallized alloys **172**: 291
Borovik-Romanov, A.S., S.V. Petrov, A.M. Tikhonov and B.S. Dumesh, Investigation of NMR in a quasi-one-dimensional antiferromagnet $CsMnBr_3$ **177/181**: 657
Borsa, F., see Gatteschi, D. **185**: 238
Bose, T.K., see Foldeaki, M. **174**: 295
Böttger, G., P. Fischer, A. Dönni, Y. Aoki, H. Sato and P. Berastegui, Magnetic properties and long-range magnetic order of Er^{3+} in $Er_2Ba_4Cu_7O_{14.92}$ **177/181**: 517
Boubekri, A., see Benyoussef, A. **190**: 321
Boucherle, J.X., see Alonso, J.A., **177/181**: 1048
Boukari, S., see Hong, S. **171**: 280
Bounds, C.O., see Chang, W.C. **189**: 55
Bourée, F., see Damay, F. **184**: 71
Bourée, F., see Damay, F. **190**: 221
Bourée, F., see Troć, R. **190**: 251
Bourgeat-Lami, E., see Courtois, D. **189**: 173
Bovensiepen, U., see May, F. **177/181**: 1220
Bovensiepen, U., see Poulopoulos, P. **177/181**: 1225
Bowden, G.J., see Prandolini, M.J. **177/181**: 1054
Bowden, G.J., see Chaplin, D.H. **177/181**: 1353
Boyer, P., see Baudry, A. **185**: 309
Boyle, J.W., S.A. Nikitov, A.D. Boardman and K. Xie, Observation of cross-phase induced modulation instability of travelling magnetostatic waves in ferromagnetic films **173**: 241
Brabers, J.H.V.J., P. Schobinger-Papamantellos, K.H.J. Buschow and F.R. de Boer, The magnetisation process of the ferrimagnetic spiral structure in $DyMn_{6-x}Cr_xGe_6$ compounds **171**: 267
Bracho Rodríguez, G.J., see Miranda, M.G.M. **185**: 331
Brachtendorf, H.G. and R. Laur, Modeling of hysteresis in magnetic cores with frequency-dependent losses **183**: 305
Bradbury, A., see Coverdale, G.N. **188**: 41
Bradbury, D.L., L. Folks and R. Street, Interpretation of low-coercivity tip response in MFM imaging **177/181**: 980
Bramwell, S.T., see Harris, M.J. **177/181**: 757
Branagan, D.J., see Shield, J.E. **188**: 353
Brauer, P., see Füzer, J. **188**: 286
Braun, A., B. Feldmann and M. Wuttig, Strain-induced perpendicular magnetic anisotropy in ultrathin Ni films on $Cu_3Au(0\,0\,1)$ **171**: 16
Braun, J., see Bansmann, J. **185**: 94
Breijo, M.P., see Señarís-Rodríguez, M.A. **177/181**: 935
Brister, K.E., see Pasternak, M.P. **177/181**: 1377
Brister, K.E., see Pasternak, M.P. **183**: 185
Brockmann, M., see Zölfl, M. **175**: 16
Broddefalk, A., see Liu, H.-p. **189**: 69
Broholm, C., see Bao, W. **177/181**: 283
Brommer, P.E., see Thang, C.V. **171**: 237
Brommer, P.E., see Tung, L.D. **177/181**: 477

Brommer, P.E., see Thang, C.V. **177/181**: 819
Brommer, P.E., see Cuong, T.D. **182**: 143
Brommer, P.E., see Thang, C.V. **186**: 386
Brongersma, H.H., see Anantharaman, M.R. **189**: 83
Brooks, N.B., see Toulemonde, O. **190**: 307
Brouers, F., see Vedyayev, A. **172**: 53
Brouers, F., see Khan, H.R. **183**: 127
Brouers, F., see Khan, H.R. **183**: 379
Brown, G.W., see Hawley, M.E. **190**: 89
Brown, P.J., see Forsyth, J.B. **177/181**: 1395
Brück, E., T. van Streepen, H.G.M. Duijn, E.G. Haanappel, F.R. de Boer and K.H.J. Buschow, Magnetic and transport properties of $MnPtAl_{1-x}Ga_x$ compounds **177/181**: 767
Brück, E., see de Châtel, P.F. **177/181**: 785
Brück, E., see Thang, C.V. **177/181**: 819
Brück, E., see Janssen, Y. **177/181**: 1147
Brück, E., see Schobinger-Papamantellos, P. **182**: 96
Brück, E., see Wang, J. **185**: 345
Brückel, T., see Chattopadhyay, T. **177/181**: 1058
Brückl, A., see Takabatake, T. **177/181**: 277
Brückl, H., see Reiss, G. **184**: 281
Brug, J.A., see Portier, X. **187**: 145
Brunel, M., see Baudry, A. **185**: 309
Bruynseraede, Y., see Schad, R. **182**: 65
Brylak, M., see Hartjes, K. **173**: 109
Bryn-Jacobsen, C., see Cowley, R.A. **177/181**: 1012
Büchner, B., see Hücker, M. **177/181**: 539
Büchner, B., see Wagener, W. **177/181**: 545
Buck, B., see Markvardsen, A.J. **177/181**: 502
Budzyński, M., see Jartych, E. **186**: 299
Burkov, A.T., see Nakama, T. **177/181**: 425
Burkov, A.T., T. Nakama, T. Kohama, T. Shimoji, K. Shintani, R. Shimabukuro and K. Yagasaki, The effect of magnetic field and Al content on resistivity and thermopower of $Y(Al_xCo_{1-x})_2$ alloys **177/181**: 1067
Burkov, A.T., T. Nakama, T. Kohama, T. Shimoji, K. Shintani, R. Shimabukuro, K. Yagasaki and E. Gratz, Contribution of spin fluctuations to the low-temperature resistivity and thermopower of YCo_2 **177/181**: 1069
Burkov, A.T., see Nakama, T. **177/181**: 1369
Bursill, R.J., T. Xiang and G.A. Gehring, Density matrix renormalisation group study of a one-dimensional quantum spin chain at non-zero temperature **177/181**: 823
Buschow, K.H.J., see Brabers, J.H.V.J. **171**: 267
Buschow, K.H.J., see Long, G.J. **176**: 217
Buschow, K.H.J., see Tung, L.D. **177/181**: 477
Buschow, K.H.J., see Mulders, A.M. **177/181**: 555
Buschow, K.H.J., see Brück, E. **177/181**: 767
Buschow, K.H.J., see Giovanelli, L. **177/181**: 1044
Buschow, K.H.J., see Janssen, Y. **177/181**: 1147
Buschow, K.H.J., see Gubbens, P.C.M. **177/181**: 1149
Buschow, K.H.J., see Schobinger-Papamantellos, P. **182**: 96
Buschow, K.H.J., see Pringle, O.A. **183**: 81
Buschow, K.H.J., see Schobinger-Papamantellos, P. **186**: 21
Buschow, K.H.J., see Zaharko, O. **187**: 293
Buschow, K.H.J., see Kelemen, M.T. **188**: 195
Buschow, K.H.J., see Schobinger-Papamantellos, P. **189**: 214
Buschow, K.H.J., see Moze, O. **189**: 329
Busheva, E.V., see Warczewski, J. **175**: 299
Büsser, C., E.V. Anda, L. Urba, V. Ferrari and G. Chiappe, Metal–insulator transition in highly correlated systems **177/181**: 311
Buttino, G., A. Cecchetti and M. Poppi, Magnetic softening and nanocrystallization in amorphous Co-rich alloys **172**: 147
Buttino, G., see Bordin, G. **172**: 291
Buttner, H., see Garcia Soldevilla, J. **177/181**: 300
Büttner, H., see Trapper, U. **177/181**: 577
Büttner, O., see Hillebrands, B. **175**: 10
Buzdin, S., see Bordère, S. **175**: 263

Caballero, J.A., W.J. Geerts, F. Petroff, J.-U. Thiele, D. Weller and J.R. Childress, Magnetic and magneto-optical properties of NiMnSb thin films **177/181**: 1229
Cabral, L.R.E., D.A. Landinez Tellez, P.H. Kes and J. Albino Aguiar, Pinning-force measurements in $Bi_2Sr_2CaCu_2O_{8+y}$ **177/181**: 513
Cadogan, J.M., see Suzuki, K. **177/181**: 949
Cadogan, J.M., see Courtois, D. **177/181**: 995
Cadogan, J.M., see Ide, Y. **177/181**: 1245
Cadogan, J.M., see Goto, T. **177/181**: 1421
Cadogan, J.M., see Harker, S.J. **183**: 101
Cadogan, J.M., see Courtois, D. **189**: 173
Caeiro, D., see Hueso, L.E. **189**: 321
Cai, J.H., see Yang, W. **177/181**: 1289
Calleja, J.F., see Contreras, M.C. **175**: 64
Calleja, J.F., see Krishnan, R. **188**: 35
Cambril, E., see Hillebrands, B. **175**: 10
Camley, R.E., see Stamps, R.L. **177/181**: 813
Camley, R.E., see Jensen, M.R.F. **177/181**: 835
Campbell, S.J., see Hofmann, M. **176**: 279
Campbell, S.J., see Wu, E. **177/181**: 255
Campbell, S.J., H. Zhang, H.-S. Li and E. Wu, Magnetic behaviour of $Nd_3Co_{29}Si_4B_{10}$ **177/181**: 1103
Campbell, S.J., see Harker, S.J. **183**: 101
Caneschi, A., see Barra, A.L. **177/181**: 709
Caneschi, A., see Barbara, B. **177/181**: 1324
Caneschi, A., T. Ohm, C. Paulsen, D. Rovai, C. Sangregorio and R. Sessoli, Quantum tunneling of the magnetic moment in manganese and iron molecular clusters (*Invited paper*) **177/181**: 1330
Cao, H.-X., see Jiang, Q. **187**: 393
Capellmann, H., see Smith, T.J. **177/181**: 543
Carbonari, A.W., J. Mestnik Filho and R.N. Saxena, Magnetic hyperfine field at Hf site

in $Hf(Fe_{1-x}Co_x)_2$ and $Hf(Fe_{1-x}Co_x)_2H_y$ at low Co concentration measured by TDPAC **177/181**: 1431
Cardona, M., see Nekvasil, V. **177/181**: 535
Carey, R., L. Dieu and D.M. Newman, Compositionally modulated films for magneto-optic recording **175**: 99
Carlotti, G., see Gubbiotti, G. **177/181**: 1259
Carter, F.V., see Julian, S.R. **177/181**: 265
Carter, S.A., see Bao, W. **177/181**: 283
Cartes, J., see Vogel, E.E. **177/181**: 777
Cashion, J.D. and M.R. Wells, Magnetic interactions in $DyAlO_3$ and $TbAlO_3$ **177/181**: 781
Caspary, E.-G., see Štěpánková, H. **185**: 225
Caspary, E.G., see Štěpánková, H. **177/181**: 253
Castillo, I.A., see Ghivelder, L. **189**: 274
Castro, S., see Señaris-Rodríguez, M.A. **177/181**: 935
Causa, M.T., see Ramos, C.A. **177/181**: 867
Cavellec, M., G. Férey and J.M. Greneche, Magnetic properties of a 2D ferrimagnetic mixed-valence iron fluorophosphate **174**: 109
Cebollada, F., see Villas-Boas, V. **185**: 180
Cecchetti, A., see Buttino, G. **172**: 147
Cecchetti, A., see Bordin, G. **172**: 291
Cerjan, C.J., see Fernandez, A. **190**: 71
Cerva, H., see López, A. **187**: 221
Çevik, U., see Bakkaloğlu, Ö.F. **190**: 193
Cha, S.Y., see Chang, S.K. **177/181**: 217
Chadjivasiliou, S.C., see Efthimiadis, K.G. **171**: 141
Chadjivasiliou, S.C., see Efthimiadis, K.G. **185**: 187
Chadwick, J., Comments on the proposal of low-spin γ-Fe–Ni (γ_{LS}) in meteorites as a new mineral **174**: 321
Chaffron, L., see Nagamine, L.C.C.M. **174**: 309
Chahine, R., see Foldeaki, M. **174**: 295
Chainani, A., see Takahashi, T. **177/181**: 1027
Chakrabarti, P.K., see Neogy, D. **173**: 167
Chakraborty, S. and A.K. Majumdar, Electron transport studies in Ni-rich γ-NiFeCr alloys **186**: 357
Chamberod, A., see Gehanno, V. **172**: 26
Chamberod, A., see Nagamine, L.C.C.M. **174**: 309
Chang, C.P., see Lo, C.K. **177/181**: 1257
Chang, C.R., I. Klik, Y.D. Yao and J.-S. Yang, Thermal effects in highly packed recording media **177/181**: 903
Chang, C.S., L.H. Cho, J.I. Lee, S.C. Hong, R. Wu and A.J. Freeman, Possible magnetism of Rh as an overlayer on Cu(0 0 1): A first-principles study **177/181**: 1255
Chang, H.S., K.H. Shin, T.D. Lee and J.K. Park, The magnetic properties and morphology of CoCrPtTa/Cr/AlN thin films **177/181**: 913
Chang, S.K., J.S. Woo, S.Y. Cha and I.B. Chudakov, Stabilization and destabilization of domain wall positions in Fe–Si polycrystals using magnetic annealing effects **177/181**: 217
Chang, S.K., see Park, J.T. **182**: 381
Chang, W.C., S.H. Tsai, L.J. Chao, Z.B. Hu, H. Luo and W.B. Yelon, Magnetic and neutron diffraction studies of $R_2Fe_{17-x}Al_xC$ (R = Y, Pr, Tb and Ho) intermetallic compounds with Th_2Zn_{17}-type crystal structure **172**: 277
Chang, W.C., D.Y. Chiou, B.M. Ma and C.O. Bounds, High performance α-Fe/$R_2Fe_{14}B$-type nanocomposites with nominal compositions of $(Nd,La)_{9.5}Fe_{78-x}Co_xCr_2B_{10.5}$ (x = 0–10) **189**: 55
Chang, Y.H., see Yang, Y.K. **189**: 195
Chantrell, R.W., K.M. Tako, M. Wongsam, N. Walmsley and T. Schrefl, Magnetic properties and microstructure of thin-film media **175**: 137
Chantrell, R.W., P.R. Bissell, P. Sollis, A. Hoare and Th. Orth, Deconvolution of anisotropy field distributions from transverse susceptibility measurements **177/181**: 894
Chantrell, R.W., see Coverdale, G.N. **188**: 41
Chao, L.J., see Chang, W.C. **172**: 277
Chao, L.M., see Zhang, X.Y. **187**: 12
Chaplin, D.H., see Prandolini, M.J. **177/181**: 1054
Chaplin, D.H., W.D. Hutchison, M.J. Prandolini and G.J. Bowden, Accurate measurements of electric quadrupole hyperfine interactions of very dilute spins in magnetic solids **177/181**: 1353
Chaplin, D.H., see Shakhmuratova, L.N. **177/181**: 1476
Chapman, J.N., The direct observation of magnetization reversal processes in films of interest for high-density information storage by TEM **175**: 113
Chapman, J.N., see Schrefl, T. **175**: 193
Chapman, J.N., see Rose, J. **177/181**: 223
Chapman, J.N., see King, J.P. **177/181**: 896
Chapman, J.N., see Thompson, P. **177/181**: 978
Chapman, J.N., see McDonnell, M. **177/181**: 1281
Chappert, C., see Ferré, J. **174**: 77
Chappert, C., see Hillebrands, B. **175**: 10
Chappert, C., see Jamet, J.P. **175**: 125
Charrier, B. and D. Schmitt, Magnetic properties of $R_8Mg_{42}Zn_{50}$ quasicrystals (R = Tb, Dy, Ho, Er) **171**: 106
Charrier, B. and D. Schmitt, Dynamical and irreversible magnetic effects in i-$R_8Mg_{42}Zn_{50}$ quasicrystals (R = Tb, Dy) **189**: 165
Chateigner, D., see Legrand, B.A. **173**: 20
Chatterjee, I., Magnetic properties of oxygen monolayers **177/181**: 719
Chatterjee, U., see Bhar, G.C. **188**: 180
Chattopadhyay, K.N., see Neogy, D. **173**: 167

Chattopadhyay, T., K.D. Liss and T. Brückel, Incommensurate–commensurate lock-in phase transition in $EuAs_3$ **177/181**: 1058
Chattoraj, I., see Palit, S. **172**: 322
Chaudhari, N.D., see Sankpal, A.M. **186**: 349
Chauvistré, R., see May, F. **177/181**: 1220
Chen, B.L. and H.L. Huang, Writing transition noise due to random particle distribution in thin recording media **171**: 218
Chen, C., see Pan, H. **185**: 77
Chen, C., see Wang, Y.-g. **185**: 339
Chen, C.F., see Iwata, N. **173**: 126
Chen, D.-F., see Lin, C. **186**: 129
Chen, G., see Yang, X.L. **175**: 285
Chen, H.-Y., see Zhu, S.-C. **177/181**: 259
Chen, J., H. Saito, S. Ishio and K. Kobayashi, Analysis of two-dimensional medium noise and magnetic cluster with MFM for $Co_{82}Cr_{13}Ta_5$ longitudinal magnetic recording media **188**: 260
Chen, L.H., see Yang, Y.K. **189**: 195
Chen, L.J., see Wu, R.Q. **177/181**: 1216
Chen, L.Y., see Yang, W. **177/181**: 1289
Chen, L.Y., see Zheng, W.M. **177/181**: 1315
Chen, S.C., see Sobolev, V.L. **172**: 83
Chen, Y., see Pan, H. **185**: 77
Chen, Z. and G.C. Hadjipanayis, Studies on the formation, structure and magnetic properties of Cr substituted $Sm_2(Fe, Cr)_{17}C_x$ compounds **171**: 261
Chen, Z., G.C. Hadjipanayis, M. Daniel, M. Digas, A. Moukarika and V. Papaefthymiou, Effects of substitutions M on the formation, structure and magnetic properties of $Sm_2Fe_{15}M_2C_2$ (M = V, Cr, Ti, Nb, Zr, Mn and Mo) compounds **177/181**: 1109
Chen, Z., see Yan, A. **185**: 369
Chen, Z., C. Ni and G.C. Hadjipanayis, Microstructure and magnetic properties of melt-spun $Sm_2Fe_{15-x}Co_xCr_2C_2$ ($x = 0$–4) nanocomposite magnets **186**: 41
Chen, Z.J., see Xu, W.M. **172**: 183
Cheng, B.-P., see Yang, J.-B. **182**: 131
Cheng, C.P., see Han, X.-F. **190**: 257
Cheng, Li-zhi, see Xu, H. **174**: 316
Cheng, Y.-T., see Foss, S. **190**: 60
Cheng, Zhao-hua, see Zhang, Jun-xian **183**: 111
Chérif, S.M., C. Dugautier, J.-F. Hennequin and P. Moch, Brillouin light scattering by magnetic surface waves in dot-structured permalloy layers **175**: 228
Cherkaoui, R., see Dormann, J.L. **185**: 1
Cherkaoui, R., see Dormann, J.L. **187**: L139
Chesman, C., see Azevodo, A. **177/181**: 1177
Chesman, C., see Rezende, S.M. **177/181**: 1213
Chetkin, M.V., see Savchenko, L.L. **183**: 313
Cheung, C., see Szpunar, B. **187**: 325
Chevalier, B., see Matar, S.F. **174**: 219
Chevalier, B., see Bordère, S. **175**: 263
Chevalier, B., see Fourgeot, F. **182**: 124
Chiaia, G., see Kumigashira, H. **177/181**: 1035
Chiappe, G., see Büsser, C. **177/181**: 311
Chiappe, G., see Davidovich, M.A. **177/181**: 313
Chiba, A., see Li, X.G. **173**: 101
Chiba, M., T. Kubo, M. Hagiwara, Y. Ajiro, T. Asano and T. Fukui, Nuclear spin–lattice relaxation in quantum spin gap of 1-D $S = 1$ and $S = \frac{1}{2}$ antiferromagnets **177/181**: 630
Chiba, M., see Toda, M. **177/181**: 825
Chiba, M., see Uyeda, M. **177/181**: 833
Chien, C.L., see Ambrose, T. **177/181**: 1235
Chihara, H., T. Okamura and C. Uyeda, The magnetic ordering of graphite grains and its application to astrophysical problems **177/181**: 1455
Childress, J.R., see Caballero, J.A. **177/181**: 1229
Chinnasamy, C.N., see Anantharaman, M.R. **189**: 83
Chintalapudi, S.N., see Hartridge, A. **176**: L89
Chintalapudi, S.N., see Hartridge, A. **183**: L1
Chiou, D.Y., see Chang, W.C. **189**: 55
Chiriac, H., T.A. Óvári, M. Vázquez and A. Hernando, Magnetic hysteresis in glass-covered and water-quenched amorphous wires **177/181**: 205
Chirkin, A.N., see Zorchenko, V.V. **183**: 25
Chizhik, A.B., see Gnatchenko, S.L. **186**: 139
Chládek, M., V. Valvoda, C. Dorner and W. Ernst, Quantitative comparison of structural parameters of magnetic multilayers obtained by diffraction methods and by direct imaging techniques – I. Interlayer structure **172**: 209
Chládek, M., V. Valvoda and C. Dorner, Quantitative comparison of structural parameters of magnetic multilayers obtained by diffraction methods and by direct imaging techniques – II. Intralayer structure **172**: 218
Cho, L.H., see Chang, C.S. **177/181**: 1255
Choi, Y.S., see Lim, S.H. **189**: 1
Choudhari, N.D., see Bhosale, D.N. **173**: 51
Chouteau, G., see Barra, A.-L. **177/181**: 783
Chshiev, M., see Vedyayev, A. **172**: 53
Chshiev, M., see Vedyayev, A. **184**: 145
Chuang, Y.C., see Sui, Y.C. **172**: 285
Chuang, Y.C., see Tang, S.L. **188**: 387
Chuang, Y.C., see Tang, S.L. **189**: 202
Chuang, Y.Z., see Tang, S.L. **187**: 366
Chubykalo, O.A., J.M. González and J. González, Barkhausen jump distributions in a micromagnetic model **184**: L257
Chudakov, I.B., see Chang, S.K. **177/181**: 217
Chudnovsky, E.M., Resonant spin tunneling in small magnetic particles **185**: L267

Chui, S.T. and V.N. Ryzhov, Solitons and edge domains in multilayers **177/181**: 1303
Chui, S.T. and V.N. Ryzhov, 180° domain walls in ultra-thin magnetic films with fourfold anisotropy **182**: 25
Chui, S.T., Temperature dependence of the response function of magnets **187**: 63
Chung, S.-C., see Hsu, L.-S. **177/181**: 1031
Cichorek, T., see de V. du Plessis, P. **177/181**: 457
Ciria, M., J.I. Arnaudas, A. del Moral, C. de la Fuente, R.C.C. Ward and M.R. Wells, Epitaxial-strain effect on basal-plane magnetoelastic stress of Ho/Y superlattices **177/181**: 1162
Cisowski, J., see Nateprov, A. **172**: 193
Ciurzyńska, W., G. Haneczok and J. Zbroszczyk, Magnetic after-effect spectral analysis by applying the lognormal distribution of relaxation times **189**: 384
Ciurzyńska, W.H., Magnetic susceptibility disaccommodation and Mössbauer studies of high silicon–iron alloy obtained by different methods **188**: 346
Clapham, L., see Yu, Y. **171**: 94
Clark, T.M. and B.J. Evans, Mössbauer investigation of M-type hexaferrites above their Curie temperatures **177/181**: 237
Clemens, B.M., see Osgood III, R.M. **182**: 297
Clemens, D., A. Vananti, C. Terrier, P. Böni, M. Senthil Kumar and M. Horisberger, Stress-induced anisotropy in $Fe_{0.50}Co_{0.48}V_{0.02}$ coatings for neutron beam polarization **177/181**: 1237
Clerc, J.P., see Khan, H.R. **183**: 127
Coffey, W.T., D.S.F. Crothers, J.L. Dormann, L.J. Geoghegan and E.C. Kennedy, Influence of the gyromagnetic term in the effect of an oblique magnetic field on the superparamagnetic relaxation time **173**: L219
Cohen, L.F., see Ghivelder, L. **189**: 274
Cohen, R.E., see Sohn, B.H. **182**: 216
Coldea, R., D.A. Tennant, R.A. Cowley, D.F. McMorrow, B. Dorner and Z. Tylczynski, The phase diagram of a quasi-1D $S = \frac{1}{2}$ Heisenberg antiferromagnet **177/181**: 659
Colino, J., see Almeida, B.G. **177/181**: 1170
Collocott, S.J., see Reynolds, N.L. **177/181**: 1042
Colpa, J.H.P., see Tung, L.D. **177/181**: 477
Conde, A., see Franco, V. **185**: 353
Conde, C.F., see Franco, V. **185**: 353
Continentino, M.A., see Tovar Costa, M.V. **177/181**: 331
Contreras, M.C., J.F. Calleja, M. Rivas, M.O. Gutiérrez and J.A. Corrales, TBIS measurements performed by MOKE for the study of soft ferromagnetic thin films and sandwiches: In-plane and biaxial anisotropies, local anisotropy and dispersion **175**: 64
Contreras, M.C., see Krishnan, R. **188**: 35
Cooke, S.J., see Paterson, J.H. **177/181**: 1472
Coombes, D.J. and G.A. Gehring, Perturbation produced on manganites by a metallic interface **177/181**: 862
Coombes, D.J., see Gehring, G.A. **177/181**: 873
Cooper, B.R., see Schoenes, J. **177/181**: 1046
Coqblin, B., J.R. Iglesias and C. Lacroix, Magnetic correlations in the Kondo lattice: the Doniach diagram revisited **177/181**: 433
Corey, A., see Mandal, K. **175**: 255
Corno, J., M. Galtier and D. Renard, In situ magnetoresistance experiment: First results on Au/Co/Au sandwiches **174**: L10
Corradi, G., see Rakitina, L.G. **184**: 238
Corrales, J.A., see Contreras, M.C. **175**: 64
Correia, J.G., see Amaral, V.S. **177/181**: 511
Costa Filho, R.N., U.M.S. Costa and M.G. Cottam, Localised magnetic impurity states in a transverse Ising ferromagnet: bulk and surface effects **189**: 234
Costa, M.M.R., see Achu, E.W. **177/181**: 779
Costa, U.M.S., see Lima, A.V. **171**: 329
Costa, U.M.S., see Costa Filho, R.N. **189**: 234
Cottam, M.G., see Costa Filho, R.N. **189**: 234
Cottenier, S., see Swinnen, B. **175**: 23
Cottenier, S., J. Meersschaut, S. Demuynck, B. Swinnen, M. Rots, K. Krop, J. Marzec, J. Zukrowski, J. Przewoźnik and E. Japa, Mixed phase in cubic and hexagonal $HoMn_2$ ^{111}Cd PAC and ^{119}Sn, ^{57}Fe Mössbauer studies **177/181**: 1083
Courtois, D., Y. Amako, D. Givord, J.M. Cadogan and H.S. Li, Magnetic properties of single crystal $Y_3(Fe_{0.93}V_{0.07})_{29}$ **177/181**: 995
Courtois, D., D. Givord, B. Lambert-Andron, E. Bourgeat-Lami, Y. Amako, H.-S. Li and J.M. Cadogan, X-ray and magnetic single-crystal analysis of the crystallographic structure of the $Y_3(Fe_{0.933}V_{0.067})_{29}$ compound **189**: 173
Coverdale, G.N., R.W. Chantrell, G.A.R. Martin, A. Bradbury, A. Hart and D.A. Parker, Cluster analysis of the microstructure of colloidal dispersions using the maximum entropy technique **188**: 41
Cowache, C., see Vedyayev, A. **172**: 53
Cowburn, R.P., A.O. Adeyeye and J.A.C. Bland, Magnetic switching and uniaxial anisotropy in lithographically defined anti-dot Permalloy arrays **173**: 193
Cowen, J.A. and G. Williams, Non-linear susceptibility of Gd_2In near the low-temperature phase transition **171**: 129
Cowley, R.A., see Coldea, R. **177/181**: 659
Cowley, R.A., C. Bryn-Jacobsen, J.A. Simpson, D.F. McMorrow, R.C.C. Ward and M.R. Wells, The unusual phase diagram of the

magnetic structures of holmium-erbium alloys **177/181**: 1012
Cowley, R.A., The coherence of the magnetic structures of rare-earth superlattices (*Invited paper*) **177/181**: 1156
Crangle, J., see Parsons, M.J. **184**: 184
Craus, M.L., see Rezlescu, N. **182**: 199
Crépieux, A. and C. Lacroix, Dzyaloshinsky–Moriya interactions induced by symmetry breaking at a surface **182**: 341
Crew, D.C., P.G. McCormick and R. Street, Temperature dependence of the magnetic viscosity parameter **177/181**: 987
Crothers, D.S.F., see Coffey, W.T. **173**: L219
Croudace, I.W., see Bahaj, A.S. **184**: 241
Cruz, M., see Dormann, J.L. **185**: 1
Cui, B., see Yang, J.-B. **182**: 131
Cuong, T.D., L. Havela, V. Sechovský, Z. Arnold, J. Kamarád and N.H. Duc, Evolution of magnetism in $Ho(Co_{1-x}Si_x)_2$ compounds **177/181**: 597
Cuong, T.D., N.H. Duc, P.E. Brommer, Z. Arnold, J. Kamarád and V. Sechovský, Co magnetism and related phenomena in the $Er(Co_{1-x}Si_x)_2$ compounds **182**: 143
Cussen, L.D., M.F. Ling, T.J. Hicks, R. Piltz and Y. Tsunoda, Transverse spin freezing in antiferromagnetic γ-$Mn_{90}Cu_{10}$ **177/181**: 1419
Cywinski, R., see Stewart, J.R. **177/181**: 602
Cywinski, R., see Bewley, R.I. **177/181**: 923
Cywinski, R., see Hillier, A.D. **177/181**: 1111
Cywinski, R., see Rustom, A. **177/181**: 1153
Cywinski, R., see Telling, M.T.F. **177/181**: 1480
Czachor, A., see Al-Wahsh, H. **185**: 144

D'Orazio, F., see Gubbiotti, G. **177/181**: 1259
D'Orazio, F., see Dormann, J.L. **183**: L255
D'Orazio, F., see Dormann, J.L. **187**: L139
Da Costa, V., see Gregg, J. **175**: 1
Da Costa, M.S., see El Massalami, M. **188**: 379
Da Cunha, J.B.M., see Flores, W.H. **188**: 17
Da Cunha, J.B.M., see Flores, W.H. **189**: 32
Da Silva, M.F., see Pereira de Azevedo, M.M. **173**: 230
Da Silva, M.F., see Amaral, V.S. **177/181**: 511
Da Silva, F.C.S., see Miranda, M.G.M. **185**: 331
Daboo, C., see Adeyeye, A.O. **188**: L1
Dahlberg, E.D., see Foss, S. **190**: 60
Dahlberg, E.D., see Schmidt, J. **190**: 81
Dahlberg, E.D., see Schmidt, J. **190**: 98
Dahlberg, E.D., see Schmidt, J. **190**: 108
Dahlgren, M., see Sato Turtelli, R. **177/181**: 1389
Dai, D., see Fang, Q. **188**: 241
Dai, P., see Bao, W. **177/181**: 283
Damay, F., C. Martin, A. Maignan and B. Raveau, Charge and magnetic order suppression by Mn site doping in layered and three-dimensional manganites **183**: 143
Damay, F., C. Martin, M. Hervieu, A. Maignan, B. Raveau, G. André and F. Bourée, Structural transitions in the manganite $Pr_{0.5}Sr_{0.5}MnO_3$ **184**: 71
Damay, F., see Maignan, A. **188**: 185
Damay, F., Z. Jirák, M. Hervieu, C. Martin, A. Maignan, B. Raveau, G. André and F. Bourée, Charge ordering and structural transitions in $Pr_{0.5}Sr_{0.41}Ca_{0.09}MnO_3$ **190**: 221
Danh, T.M., N.H. Duc and N.P. Thuy, Exchange interactions in amorphous Gd–Fe alloys **185**: 105
Daniel, M., see Chen, Z. **177/181**: 1109
Daoud-Aladine, A., see Mirebeau, I. **175**: 290
Das, A., see Krishnan, R. **174**: L17
Das, D., see Hartridge, A. **176**: L89
Das, D., see Hartridge, A. **183**: L1
Das, K., S. Jana, D. Ghosh and B.M. Wanklyn, Study of optical absorption spectra and magnetic susceptibilities of Tm^{3+}-pyrogermanate ($Tm_2Ge_2O_7$) **189**: 310
Date, S.K., see Shinde, S.R. **186**: 342
Davideiko, N.V., see Dovgij, V.T. **172**: 77
Davidovich, M.A., E.V. Anda, J.R. Iglesias and G. Chiappe, Kondo effect on tunneling currents in a mesoscopic ring **177/181**: 313
Davies, H.A., see Huo, S. **177/181**: 227
Davies, H.A., see Huo, S. **177/181**: 229
Davies, H.A., see Al-Khafaji, M.A. **182**: 111
Davies, H.A., see Griffiths, M.K. **183**: 49
Davies, H.A., see Al-Khafaji, M.A. **188**: 109
Davies, H.A., see Huo, S. **190**: 17
Davies, H.A., see Al-Khafaji, M.A. **190**: 48
Dawson, F.P., see Mukhopadhyay, S.C. **177/181**: 999
De Aguiar, F.M., S.M. Rezende and A. Azevedo, Spin-wave experiments: Simultaneous pumping revisited **177/181**: 844
De Aguiar, F.M., see Azevodo, A. **177/181**: 1177
De Aguiar, F.M., see Rezende, S.M. **177/181**: 1213
De Boer, F.R., see Brabers, J.H.V.J. **171**: 267
De Boer, F.R., see Zhang, Zhi-dong **174**: 269
De Boer, F.R., see Brück, E. **177/181**: 767
De Boer, F.R., see de Châtel, P.F. **177/181**: 785
De Boer, F.R., see Kou, X.C. **177/181**: 1002
De Boer, F.R., see Giovanelli, L. **177/181**: 1044
De Boer, F.R., see Janssen, Y. **177/181**: 1147
De Boer, F.R., see Xiao, Q.F. **184**: 330
De Boer, F.R., see Prokeš, K. **184**: 369
De Boer, F.R., see Wang, J. **185**: 345
De Boer, F.R., see Moze, O. **189**: 329
De Châtel, P.F., see Zhang, Zhi-dong **174**: 269
De Châtel, P.F., K. Prokeš, H. Nakotte, A. Purwanto, V. Sechovský, L. Havela, E. Brück, R.A. Robinson and F.R. de Boer, Anisotropic exchange interactions in UNiGe **177/181**: 785
De Crescenzi, M., see Gubbiotti, G. **177/181**: 1259

De Figueiredo, R.S., C.A. Kuhnen and A.V. dos Santos, Crystallographic, magnetic and electronic structure of iron–silver and iron–gold perovskite nitrides **173**: 141
De Freitas, E., see Ferrante, M. **188**: 125
De Gronckel, H.A.M., see Štěpánková, H. **185**: 225
De Gronckel, H., see Voges, F. **190**: 183
De Groot, C.H., see Giovanelli, L. **177/181**: 1044
De Groot, C.H., see Janssen, Y. **177/181**: 1147
De Groot, C.H., see Moze, O. **189**: 329
De Jesus, V.L.B., V.M.T.S. Barthem, I.S. Oliveira and A.P. Guimarães, NMR study of Gd–Ni intermetallic compounds **177/181**: 1125
De Jonge, W.J.M., see Swagten, H.J.M. **176**: 169
De Jonge, W.J.M., see van der Heijden, P.A.A. **182**: 71
De la Fuente, C., see Ciria, M. **177/181**: 1162
De Melo, M.A.C., see Wagener, W. **177/181**: 545
De Morais, E., see Sato Turtelli, R. **177/181**: 1389
De Oliveira, N.A., see Tovar Costa, M.V. **177/181**: 331
De Oliveira, N.A., see de Oliveira, A.L. **177/181**: 1091
De Oliveira, A.L., M.V. Tovar Costa, N.A. de Oliveira and A. Troper, Systematics of magnetic hyperfine fields at diluted impurities in ferromagnetic rare-earth compounds GdX (X = Zn and Cd): A theoretical study **177/181**: 1091
De Oliveira, A.L., M.V. Tovar Costa, N.A. de Oliveira and A. Troper, Study of magnetic hyperfine data on rare-earth impurities in Fe and Ni: Non-orbital contribution **177/181**: 1441
De Oliveira, N.A., see de Oliveira, A.L. **177/181**: 1441
De Pauw, V., D. Lemarchand and J.J. Malandain, A structural and kinetic study of the oxidation of the intermetallic $Sm_2(Fe,Co)_{17}$ compound for permanent magnets **172**: 269
De Teresa, J.M., see Ibarra, M.R. **177/181**: 846
De V. du Plessis, P., A.M. Strydom, T. Cichorek, R. Tro and E.M. Levin, Low-temperature studies of non-Fermi liquid $UCu_{5-x}Pd_x$ **177/181**: 457
De Visser, A., R.J. Keizer, M.J. Graf, A.A. Menovsky and J.J.M. Franse, On the interplay of small-moment magnetism and superconductivity in UPt_3 (*Invited paper*) **177/181**: 287
De Visser, A., see Keller, N. **177/181**: 298
De Visser, A., R.J. Keizer, R. van Harrevelt, A.A. Menovsky, J.J.M. Franse, A. Amato, F.N. Gygax, M. Pinkpank and A. Schenck, μSR study of magnetism in heavy-fermion $U(Pt,Pd)_3$ **177/181**: 435
De Visser, A., see Tang, J. **177/181**: 465
Decanini, D., see Hillebrands, B. **175**: 10
Decanini, D., see Jamet, J.P. **175**: 125
Dederichs, P.H., see Asato, M. **177/181**: 1403
Dederichs, P.H., see Hoshino, T. **177/181**: 1411
Deguchi, H., see Saito, T. **177/181**: 557
Dekoster, J., see Swinnen, B. **175**: 23
Del Bianco, L., A. Hernando, E. Navarro and E. Bonetti, Magnetic behaviour of nanocrystalline Fe **177/181**: 939
Del Moral, A., see Ciria, M. **177/181**: 1162
Del Moral, A., see Azanza, M.J. **177/181**: 1451
Delaunay, L., see Payet, B. **186**: 168
Delin, A. and B. Johansson, Valence degeneracy in cerium systems **177/181**: 373
Dellalov, V.S., A.I. Linnik, V.F. Shkar and S.V. Yampolskii, FMR peculiarities in two-layer Bi-doped garnet films **172**: 74
Delmas, C., see Barra, A.-L. **177/181**: 783
Demin, R.V., L.I. Koroleva and A.M. Balbashov, Anomalies of magnetostriction and thermal expansion in $La_{0.7}Sr_{0.3}MnO_3$ perovskite **177/181**: 871
Demokritov, S.O., see Hillebrands, B. **175**: 10
Demuynck, S., see Swinnen, B. **175**: 23
Demuynck, S., see Cottenier, S. **177/181**: 1083
Denanot, M.F., see Rahmoune, M. **175**: 219
Denat, F., see Udvardi, L. **183**: 283
Deppe, M., see Langhammer, C. **177/181**: 443
Deribas, A., see Ruuskanen, P. **182**: 185
Derzhko, O., O. Zaburannyi and J.W. Tucker, Initial static susceptibilities of nonuniform and random Ising chains **186**: 188
Desgardin, G., see Monod, P. **177/181**: 739
Desjonquères, M.C., see Guirado-López, R. **186**: 214
Desquiotz, R., see Pilawa, B. **177/181**: 748
Desvignes, J.M., see Sbiaa, R. **183**: 247
Devlin, E., see Simopoulos, A. **177/181**: 860
Dhalenne, G., see Horvati, M.Y. **177/181**: 669
Dhalenne, G., see Gippius, A.A. **184**: 358
Dhar, S.K., see Hossain, Z. **184**: 235
Diao, X., see Kong, Y. **172**: L15
Dias, A., R.L. Moreira, N.D.S. Mohallem and A.I.C. Persiano, Microstructural dependence of the magnetic properties of sintered NiZn ferrites from hydrothermal powders **172**: L9
Díaz Castañón, S., see Albanese, G. **184**: 337
Díaz-Castañón, S., J.L. Sánchez Ll., E. Estevez-Rams, F. Leccabue and B.E. Watts, Magneto-structural properties of $PbFe_{12}O_{19}$ hexaferrite powders prepared by decomposition of hydroxide–carbonate and metal–organic precipitates **185**: 194
Dickson, D.P.E., see Morales, M.P. **190**: 357
Didosyan, Y.S., H. Hauser, V.Y. Barash and P.L. Fulmek, Subsonic domain wall dynamics in yttrium orthoferrite **177/181**: 203
Dieny, B., see Vedyayev, A. **172**: 53
Dieny, B., see Vedyayev, A. **184**: 145
Dieny, B., S. Sankar, M.R. McCartney, D.J. Smith, P. Bayle-Guillemaud and A.E. Berkowitz, Spin-dependent tunneling in discontinuous metal/insulator multilayers **185**: 283

Diep, H.T., see Quartu, R. **182**: 38
Dieu, L., see Carey, R. **175**: 99
Digas, M., see Chen, Z. **177/181**: 1109
Dikshtein, I., A. Neiman and L. Schimansky-Geier, Spatio-temporal stochastic resonance of a domain wall motion in an inhomogeneous magnet **188**: 301
Dimitrov, D., C. Prados, C.Y. Ni, G.C. Hadjipanayis, V. Papaefthymiou, A. Simopoulos and C.P. Swann, Size effects in the stoichiometry and magnetic properties of Fe–O/Ag multilayers **177/181**: 1308
Dimitrov, D.V., see Prados, C. **177/181**: 1293
Dimitrov, D.V., G.C. Hadjipanayis, V. Papaefthymiou and A. Simopoulos, Surface-induced magnetism in α-Fe_2O_3/Ag multilayers **188**: 8
Dimitrov, D.V., C. Prados, C.Y. Ni, G.C. Hadjipanayis and J.Q. Xiao, Magnetoresistance in NiCoO/Py/Cu/Py spin valves **189**: 25
Ding, B.Z., see Tang, S.L. **188**: 387
Ding, B.Z., see Tang, S.L. **189**: 202
Ding, J., P.G. McCormick and R. Street, Formation of spinel Mn-ferrite during mechanical alloying **171**: 309
Ding, J., see Miao, W.F. **175**: 304
Ding, J., T. Tsuzuki and P.G. McCormick, Ultrafine $BaFe_{12}O_{19}$ powder synthesised by mechanochemical processing **177/181**: 931
Ding, J., W.F. Miao, E. Pirault, R. Street and P.G. McCormick, Structural evolution of Fe + Fe_2O_3 during mechanical milling **177/181**: 933
Ding, J., see Miao, W.F. **177/181**: 976
Ding, J., see Li, Y. **187**: L273
Ding, Jun, see Liu, Xiangyuan **184**: 344
Ding, W.-P., see Guo, Z.-B. **175**: 333
Dittschar, A., see Zharnikov, M. **174**: 40
Diviš, M., M. Richter, J. Forstreuter, K. Koepernik and H. Eschrig, Crystal-field and magnetism of RGa_2 (R = Ce, Er) compounds derived from density-functional calculations **176**: L81
Djurberg, C., see Hansen, M.F. **177/181**: 928
Dodd, P.M., see Atkinson, R. **173**: 202
Doktor, M., A. Indinger, R. Hauser, H. Michor, G. Hilscher and E. Bauer, High pressure and field response of $YbCu_4Au_xAg_{1-x}$ **177/181**: 333
Dominguez, L. and K. Kulakowski, Model calculations of the magnetoelastic coefficient $B^{y,2}$ in crystalline iron **185**: 121
Dominguez, L., see Aragoneses, P. **177/181**: 199
Dominguez, L., see Blanco, J.M. **186**: 135
Donnet, D.M., see Homma, T. **173**: 314
Donnevert, L., P. Hellmann, S. Thomas, O. Trovarelli, C. Geibel, G. Sparn and F. Steglich, Development of magnetic order in $CeCu_2(Si_{1-x}Ge_x)_2$ as a function of hybridization **177/181**: 375
Donnevert, L., see Link, A. **177/181**: 401
Dönni, A., see Böttger, G. **177/181**: 517
Dormann, E., see Rösch, P. **177/181**: 1071
Dormann, E., see Kelemen, M.T. **188**: 195
Dormann, J.L., see Coffey, W.T. **173**: L219
Dormann, J.L., see Papusoi, Jr., C. **174**: 236
Dormann, J.L., L. Spinu, E. Tronc, J.P. Jolivet, F. Lucari, F. D'Orazio and D. Fiorani, Effect of interparticle interactions on the dynamical properties of γ-Fe_2O_3 nanoparticles **183**: L255
Dormann, J.L., A. Belayachi, J. Maknani, A. Ezzir, M. Cruz, M. Godinho, R. Cherkaoui and M. Nogues, Magnetic properties of amorphous Fe–Cr–B nanoparticles embedded in an alumina matrix **185**: 1
Dormann, J.L., R. Cherkaoui, L. Spinu, M. Noguès, F. Lucari, F. D'Orazio, D. Fiorani, A. Garcia, E. Tronc and J.P. Jolivet, From pure superparamagnetic regime to glass collective state of magnetic moments in γ-Fe_2O_3 nanoparticle assemblies **187**: L139
Dorner, B., see Coldea, R. **177/181**: 659
Dorner, C., see Chládek, M. **172**: 209
Dorner, C., see Chládek, M. **172**: 218
Dos Santos, A.V., see de Figueiredo, R.S. **173**: 141
Dos Santos, A.V. and C.A. Kuhnen, Electronic structure and magnetic properties of 2Fe/Pd and 2Pd/Fe multilayers **184**: 293
Dou, S.X., see Wang, X.L. **182**: L1
Dou, S.X., see Awana, V.P.S. **182**: L280
Dou, S.X., see Awana, V.P.S. **187**: 192
Dovgij, V.T., F.G. Bar'yakhtar, T.G. Astaf'eva, N.V. Davideiko, G.I. Yampolskaya and S.V. Yampolskii, Domain structure and magnetic properties of iron garnet films under mechanical stresses **172**: 77
Drescher, K., M.M. Abd-Elmeguid, H. Micklitz, J.P. Sanchez, C. Geibel and F. Steglich, Magnetic frustration in the antiferromagnetic Kondo lattice YbPtAl: Anomalous magnetic behavior at high pressures **182**: L275
Drillon, M. and P. Panissod, Long-range ferromagnetism in hybrid compounds: The role of dipolar interactions **188**: 93
Drobac, D., On the determination of the Curie temperature from AC susceptibility measurement **183**: 71
Drzazga, Z., A. Winiarska, D. Eckert, M. Wolf, J. Szade and K.-H. Müller, Investigation of the spin reorientation in a $DyFe_{10}V_2$ single crystal **182**: 225
Du, J., M. Lu, L.N. Tong, W. Ji, H.R. Zhai and H. Xia, Structure and magnetic properties of Co/V multilayers **177/181**: 1209

Du, J., see Tong, L.N. **177/181**: 1211
Du, J.H., see Kang, S.S. **187**: 154
Du Plessis, P.d.V., see Strydom, A.M. **177/181**: 413
Du, Y.-W., see Guo, Z.-B. **175**: 333
Du, Y., see Jin, Z. **177/181**: 1115
Du, Y., see Jin, Z. **182**: 231
Du, Y.-W., see Tang, W. **184**: 209
Du, Y.-W., see Tang, W. **185**: 241
Du, Y., see Jin, Z. **187**: 237
Du, Y.W., see Huang, H. **173**: 302
Du, Y.W., see Yang, W. **177/181**: 1289
Du, Y.W., see Jin, Z.Q. **185**: 71
Du, Y.W., see Tang, W. **186**: 115
Du, Y.W., see Jin, Z.Q. **187**: 231
Du, Y.W., see Tang, S.L. **189**: 341
Dubenko, I.S., E. Gratz, A. Lindbaum, A.S. Markosyan, S.A. Markossian, V.E. Rodimin and G. Wiesinger, Suppression of the enhanced paramagnetic thermal expansion of YMn_2 by Fe substitutions **177/181**: 571
Dubois, E., see Gazeau, F. **186**: 175
Dubois, S., see Piraux, L. **175**: 127
Dubois, S., see Maurice, J.-L. **184**: 1
Dubois, S., see Belliard, L. **190**: 1
Dubowik, J., see Luciński, T. **174**: 192
Duc, N.H., see Cuong, T.D. **177/181**: 597
Duc, N.H., see Thang, C.V. **177/181**: 819
Duc, N.H., M.M. Tan, N.D. Tan, D. Givord and J. Teillet, Role of the early transition elements on the intersublattice exchange coupling in the rare-earth-iron intermetallics **177/181**: 1107
Duc, N.H., see Cuong, T.D. **182**: 143
Duc, N.H., see Danh, T.M. **185**: 105
Duffy, D.M., J.A. Blackman, P.A. Mulheran and S.A. Williams, Transition metal clusters on graphite **177/181**: 953
Dufour, J., R. Latorre, C. Negro, E.M. Alcalá, A. Formoso and F. López-Mateos, Protocol for the synthesis of Ba-hexaferrites with prefixed coercivities **172**: 308
Dugautier, C., see Chérif, S.M. **175**: 228
Duhaj, P., see Kaczkowski, Z. **185**: 112
Duijn, H.G.M., see Brück, E. **177/181**: 767
Dumesh, B.S., see Borovik-Romanov, A.S. **177/181**: 657
Dumpich, G., U. Eberhardt, E.F. Wassermann, Y. Miyako, R. Hamada and T. Taniguchi, Resistance and magnetic behavior of $Ce_{1-x}Al_x$ thin films **177/181**: 377
Dunlop, J.B., see Reynolds, N.L. **177/181**: 1042
Dunning, F.B., see Mei, L. **187**: 268
Duò, L., see Kumigashira, H. **177/181**: 1035
Durand, O., see Maurice, J.-L. **184**: 1
Dürkop, T., H.J. Elmers and U. Gradmann, Adsorption-driven spin reorientation transition in sesquilayers of Fe(1 1 0) on W(1 1 0) **172**: L1
Duvail, J.L., see Piraux, L. **175**: 127
Duvail, J.L., see Belliard, L. **190**: 1
Dykhne, A., see Usov, N. **174**: 127
Dynowska, E., see Lachowicz, H.K. **173**: 287

Ebel, T., see Reehuis, M. **177/181**: 805
Ebels, U., P.E. Wigen and K. Ounadjela, Domain FMR in epitaxial Co(0 0 0 1) films with stripe domains **177/181**: 1239
Eberhardt, U., see Dumpich, G. **177/181**: 377
Ebisu, S., T. Sogabe, H. Morita and S. Nagata, Magnetic behavior in defect-perovskites RTa_3O_9 (R = Nd, Eu and Ho) **177/181**: 1073
Eccleston, R.S., see Azuma, M. **177/181**: 655
Eccleston, R.S., see Parnell, S.R. **177/181**: 1014
Echizen, Y., see Takabatake, T. **177/181**: 277
Eckert, D., see Luciński, T. **174**: 192
Eckert, D., see Idzikowski, B. **177/181**: 941
Eckert, D., see Drzazga, Z. **182**: 225
Edelman, I., see Zabluda, V. **185**: 207
Edge, A.V.J., see Harker, S.J. **183**: 101
Edgley, D.S., J.M. Le Breton, S. Steyaert, F.M. Ahmed, I.R. Harris and J. Teillet, Characterisation of high temperature oxidation of Nd–Fe–B magnets **173**: 29
Edwards, D.M. and A.C.M. Green, De Haas–van Alphen oscillations in the high-field state of the Anderson lattice **177/181**: 296
Efeoğlu, H., see Bakkaloğlu, Ö.F. **190**: 193
Efimova, N.N. and M.B. Ustimenkova, Magnetic properties of the diluted ferrimagnet $Li_{0.5}Fe_{1.1}Ga_{1.4}O_4$ with spatially nonuniform exchange **185**: 360
Efthimiadis, K.G., C.A. Achilleos, S.C. Chadjivasiliou and I.A. Tsoukalas, Crystallization of amorphous $Fe_{75-x}Cu_xSi_9B_{16}$ **171**: 141
Efthimiadis, K.G., S.C. Chadjivasiliou, E.K. Polychroniadis, M. Özer, G.A. Stergioudis and I.A. Tsoukalas, Study of the crystallization of $Fe_{78-x}Mo_xSi_9B_{13}$ amorphous alloys **185**: 187
Egger, S., see Stamm, C. **177/181**: 1279
Eggers, G., see Güntherodt, G. **175**: 63
Ehlers, G., see Maletta, H. **177/181**: 797
Ehrenberg, H., M. Wiesmann, J. Garcia-Jaca, H. Weitzel and H. Fuess, Magnetic structures of the high-pressure modifications of $CoMoO_4$ and $CuMoO_4$ **182**: 152
Ehrenberg, H., G. Wltschek, J. Rodriguez-Carvajal and T. Vogt, Magnetic structures of the tri-rutiles $NiTa_2O_6$ and $NiSb_2O_6$ **184**: 111
Ehrenberg, H., M. Wiesmann, H. Paulus and H. Weitzel, Magnetic phase diagrams of α-$NiMoO_4$ **186**: 74
Eilon, M.G., P.J. Thompson, D.S. Geoghegan and R. Street, A classical Ising model and magnetic viscosity in thin films **175**: 249

Ekino, T., H. Umeda, K. Katoh, T. Takabatake and H. Fujii, Tunneling spectroscopy of the Kondo semiconductor $Ce_3Bi_4Pt_3$ **177/181**: 379
El Ghannami, M., see Hernando, A. **173**: 275
El Ghannami, M., see Gómez-Polo, C. **187**: 117
El-Hagary, M., H. Michor, C. Jambrich, R. Hauser, M. Galli, E. Bauer and G. Hilscher, Specific heat of $HoNi_2B_2C$ **177/181**: 551
El Harfaoui, M., see Sbiaa, R. **183**: 247
El-Hilo, M., Sweep-rate effects on time dependence of magnetisation in particulate systems **174**: 160
El Houari, B. and M. Benhamou, Mean-field analysis of the super weak ferrimagnetism of strongly coupled paramagnetic systems: II **172**: 259
El Kenz, A., see Bengrine, M. **183**: 334
El Massalami, M., M.R. Amaral, Jr., L. Ghivelder, I. Abrego Castillo, G.J. Nieuwenhuys and C.E. Snel, Magnetic and magnetoresistive properties of the series $Ce(Ni_{1-x}Co_x)_2B_2C$ **172**: 139
El Massalami, M., M.S. da Costa, M.A. Novak and V. Barthem, Magnetic properties of the quaternary intermetallic compounds RNiBC (R = Ho, Dy, Tb, Gd, $Dy_{1-x}Gd_x$) **188**: 379
El-Shabasy, M., DC electrical properties of Zn–Ni ferrites **172**: 188
Elefant, D., see Luciński, T. **174**: 192
Elefant, D., see Reiss, G. **184**: 281
Ellerby, M., see López de la Torre, M.A. **177/181**: 445
Ellerby, M., see Watmough, M. **177/181**: 469
Elliott, R.J., C. Heide and N.S. Wingreen, The RKKY interaction across a tunnelling junction out of equilibrium in relation to the spin current **177/181**: 769
Elmers, H.J., see Dürkop, T. **172**: L1
Elmers, H.J., J. Hauschild and U. Gradmann, Magnetism of nanowires of Fe(1 1 0) on W(1 1 0) **177/181**: 827
Elmers, H.J., Magnetization states in ultrathin films with laterally modulated anisotropies **185**: 274
Emoto, T., N. Hosoito and T. Shinjo, Magnetic polarization in Au layers of Au/M (MùFe, Co, and Ni) multilayers with ^{119}Sn probes studied by Mössbauer spectroscopy **189**: 136
Enders, A., see Sander, D. **177/181**: 1299
Endo, K., see Saito, T. **177/181**: 557
Endo, K., H. Matsuda, K. Ooiwa, M. Iijima, T. Goto, K. Sato and I. Umehara, Anomalous GMR in $Fe_{2+x}V_{1-x}Ga$ and $Fe_{2+y}V_{1-y}Al$ **177/181**: 1437
Endo, K., see Ooiwa, K. **177/181**: 1443
Endo, M., see Adachi, Y. **177/181**: 1061
Endo, M., see Umehara, I. **177/181**: 1143
Endo, S., see Ishizuka, M. **177/181**: 725
Endo, S., S. Nakaike, M. Ishizuka and F. Ono, High-pressure synthesis and magnetic properties of C14–$TbMn_2$ **177/181**: 1075
Endoh, Y., see Okumura, H. **177/181**: 405
Endoh, Y., see Hirota, K. **177/181**: 864
Endoh, Y., see Mitsudo, S. **177/181**: 877
Endoh, Y. and T. Fukuda, Low- and high-energy excitations in the incommensurate antiferromagnet, chromium (*Invited paper*) **177/181**: 1343
Endoh, Y., see Hiraka, H. **177/181**: 1349
Endoh, Y., see Ishiguro, A. **177/181**: 1355
Endoh, Y., see Matsuura, M. **177/181**: 1365
Englich, J., see Štěpánková, H. **177/181**: 239
Englich, J., see Štěpánková, H. **177/181**: 253
Englich, J., see Štěpánková, H. **185**: 225
Enomoto, Y., Crossover behavior of magnetization noise properties in disordered ferromagnets **174**: 155
Entel, P., K. Kadau, R. Meyer, H.C. Herper, M. Acet and E.F. Wassermann, Numerical simulation of martensitic transformations in magnetic transition-metal alloys **177/181**: 1409
Erb, U., see Szpunar, B. **187**: 325
Eremenko, V.V., see Gnatchenko, S.L. **186**: 139
Eriksson, O., see Liu, H.-p. **189**: 69
Ernst, W., see Chládek, M. **172**: 209
Ernst, W., see Reiss, G. **184**: 281
Ersez, T., G.T. Etheridge and T.J. Hicks, Investigations of magnetic anisotropy in the complex low-temperature phase in Fe_2MnSi **177/181**: 1351
Eschrig, H., see Diviš, M. **176**: L81
Espeso, J.I., see Garcia Soldevilla, J. **177/181**: 300
Espeso, J.I., see Soldevilla, J.G. **186**: 49
Estevez-Rams, E., see Díaz-Castañón, S. **185**: 194
Estournès, C., T. Lutz, J. Happich, T. Quaranta, P. Wissler and J.L. Guille, Nickel nanoparticles in silica gel: preparation and magnetic properties **173**: 83
Estrela, P., see Gonçalves, A.P. **189**: 283
Etheridge, G.T., see Ersez, T. **177/181**: 1351
Etienne, P., see Maurice, J.-L. **184**: 1
Etourneau, J., see Matar, S.F. **174**: 219
Etourneau, J., see Bordère, S. **175**: 263
Etourneau, J., see Fourgeot, F. **182**: 124
Euzen, P., see Léone, P. **172**: 153
Euzen, P., see Léone, P. **182**: 172
Evans, B.J., see Clark, T.M. **177/181**: 237
Evetts, J.E., see Hall, M.J. **173**: 253
Evstafieva, E.N., see Antoshina, L.G. **185**: 101
Eyert, V., see Matar, S.F. **174**: 219
Eymery, J.P., see Rahmoune, M. **175**: 219
Ez-Zahraouy, H., see Benyoussef, A. **190**: 321
Ezekwenna, P.C., see Long, G.J. **186**: 10
Ezzir, A., see Dormann, J.L. **185**: 1

Fabian, K., see Rave, W. **190**: 332
Fabietti, L.M., see Billoni, O.V. **187**: 371
Fagot-Revurat, see Horvatić, M.Y. **177/181**: 669
Fàk, B., see Raymond, S. **190**: 245
Fang, H.C., Z. Yang, C.K. Ong, Y. Li and C.S. Wang, Preparation and magnetic properties of (Zn–Sn) substituted barium hexaferrite nanoparticles for magnetic recording **187**: 129
Fang, Q., R. Fang, S. Zhang and D. Dai, Permanent magnetic $MnBiRE_{0.1}$ (RE = Dy, Sm) evaporated films, crystal structure and magnetic properties as a function of film thickness **188**: 241
Fang, R., see Fang, Q. **188**: 241
Fang, X., see Govindaraju, M. **177/181**: 207
Fang, X., D.C. Jiles and Y. Shi, Modeling of magnetic properties of Nd–Dy–Fe–B particulate composites with different compacting processes **187**: 79
Farle, M., see May, F. **177/181**: 1220
Farle, M., see Poulopoulos, P. **177/181**: 1225
Farle, M., see Garreau, G. **184**: 289
Farley, A., see Abelmann, L. **190**: 135
Faucon, P., see Le Callonnec, C. **171**: 119
Faunce, C.A., see Jones, G.A. **184**: 28
Fauth, F., see Schobinger-Papamantellos, P. **189**: 214
Fedosyuk, V.M., see Jones, G.A. **184**: 28
Fedotov, Yu.V., see Abelyashev, G.N. **184**: 222
Feher, A., see Anders, A.G. **187**: 125
Fehske, H., see Trapper, U. **177/181**: 577
Feiven, S.A., see Jensen, M.R.F. **177/181**: 835
Feldmann, B., see Braun, A. **171**: 16
Feldmann, B., see Berger, A. **183**: 35
Felner, I., see Nowik, I. **185**: 91
Feng, D., see Kang, S.S. **187**: 154
Feng, J.W., see Kang, S.S. **187**: 154
Feng, Y.P., see Zhang, G.W. **184**: 215
Fèrey, G., see Cavellec, M. **174**: 109
Fernandez, A., M.R. Gibbons, M.A. Wall and C.J. Cerjan, Magnetic domain structure and magnetization reversal in submicron-scale Co dots **190**: 71
Fernandez-Diaz, M.T., see Mirebeau, I. **175**: 290
Fernandez Diaz, M.T., see Garcia Soldevilla, J. **177/181**: 300
Fernández, A.I., see Krishnan, R. **188**: 35
Ferrante, M., E. de Freitas and V. Sinka, The mechanism of magnetic alignment in hot rolled Nd–Fe–B magnets **188**: 125
Ferrara, E., see Sato Turtelli, R. **177/181**: 1389
Ferrari, E.F., see Miranda, M.G.M. **185**: 331
Ferrari, V., see Büsser, C. **177/181**: 311
Ferrè, J., see Kirilyuk, A. **171**: 45
Ferrè, J., J.P. Jamet, J. Pommier, P. Beauvillain, C. Chappert, R. Mègy and P. Veillet, Domains and magnetization reversal dynamics in Au/Co/Au (1 1 1) ultrathin films: Co and Au thickness dependence **174**: 77
Ferrè, J., see Jamet, J.P. **175**: 125
Ferrè, J., see Tarasenko, S.V. **189**: 19
Ferreira, J.M., see Landinez Tellez, D.A. **177/181**: 509
Ferreira, J.M., see Awana, V.P.S. **187**: 192
Ferrier, R.P. and Y. Liu, Determination of writing head fields by electron beam tomography **175**: 111
Fert, A., see Piraux, L. **175**: 127
Fert, A., see Petroff, F. **175**: 33
Fert, A., see Schroeder, P.A. **177/181**: 1464
Fert, A., see Maurice, J.-L. **184**: 1
Fert, A.R., see Postava, K. **172**: 199
Fert, A.R., see Jaffres, H. **184**: 19
Fettar, F., see Petroff, F. **175**: 33
Fidler, J., see Schrefl, T. **175**: 193
Fidler, J., see Schrefl, T. **177/181**: 970
Figiel, H., see Kapusta, C.z. **177/181**: 1121
Filimonov, D.S., see Warczewski, J. **175**: 299
Fiorani, D., see Señarís-Rodríguez, M.A. **177/181**: 935
Fiorani, D., see Dormann, J.L. **183**: L255
Fiorani, D., see Dormann, J.L. **187**: L139
Fischer, K., see Köbler, U. **188**: 333
Fischer, M., see Weiden, M. **177/181**: 743
Fischer, P., see Böttger, G. **177/181**: 517
Fischer, R., see Kronmüller, H. **175**: 177
Fischer, R. and H. Kronmüller, The role of grain boundaries in nanoscaled high-performance permanent magnets **184**: 166
Fisher, R.A., D.A. Wright, P. Radhakrishna, J.L. Luce, A.M. Stacy and N.E. Phillips, The specific heat of $LaCu_2O_4$ and $NdCu_2O_4$ in fields to 7 T **177/181**: 787
Fisher, R.A., see Gordon, J.E. **177/181**: 856
Fishman, R.S., see Galkin, V.Yu. **186**: L1
Fleck, M., A.M. Oleś and L. Hedin, Magnetism near the Van Hove singularity **177/181**: 599
Fleischhauer, P., see Tomkowicz, Z. **172**: 128
Flores, W.H., S.R. Teixeira, J. Geshev, J.B.M. da Cunha, P.J. Schilling, A. Traverse and M.C. Martins Alves, Structural evolution and magnetic behavior of Co/Ag multilayers submitted to thermal annealing **188**: 17
Flores, W.H., J.B.M. da Cunha and W.H. Schreiner, Structural evolution and magnetic properties of Fe/Eu multilayers after thermal annealing **189**: 32
Flouquet, J., see Raymond, S. **190**: 245
Fluchtmann, M., see Bansmann, J. **185**: 94
Flynn, C.P., see O'Donovan, K.V. **186**: 161
Fnidiki, A., see Lassri, H. **172**: 61
Foldeaki, M., A. Giguère, B.R. Gopal, R. Chahine, T.K. Bose, X.Y. Liu and J.A. Barclay, Composition dependence of magnetic properties in amorphous rare-earth–metal-based alloys **174**: 295
Folks, L., see Gouteff, P.C. **177/181**: 1241
Folks, L., see Bradbury, D.L. **177/181**: 980

Folks, L. and R.C. Woodward, The use of MFM for investigating domain structures in modern permanent magnet materials **190**: 28
Fominaya, F., see Mêlin, R. **172**: 97
Forgan, E.M., see Lee, S.L. **177/181**: 523
Forgan, E.M., see Ager, C. **177/181**: 561
Forkl, A., see Pastushenkov, Yu.G. **174**: 278
Formoso, A., see Dufour, J. **172**: 308
Fornacon, K.H., see Müller, M. **177/181**: 231
Forstreuter, J., see Diviš, M. **176**: L81
Forsyth, J.B., P.J. Brown, M.S. Lehmann, D. Myles, C. Wilkinson and A.Z. Men'shikov, Neutron Laue diffraction from the magnetic structure of 4% Ga-doped $FeGe_2$ **177/181**: 1395
Foss, S., see Schmidt, J. **190**: 108
Foss, S., C. Merton, R. Proksch, G. Skidmore, J. Schmidt, E.D. Dahlberg, T. Pokhil, Y.-T. Cheng, Variable magnetic field magnetic force microscopy of the magnetization reversal in epitaxial iron (1 1 1) thin films **190**: 60
Foss, S., see Schmidt, J. **190**: 81
Fourgeot, F., B. Chevalier, D. Laffargue and J. Etourneau, Field–temperature magnetic phase diagram of the antiferromagnet ternary stannides $Nd_2Pd_{2+x}Sn_{1-x}$ ($x = 0.02$, 0.06 and 0.12) **182**: 124
Fowler, D.K., see Shakhmuratova, L.N. **177/181**: 1476
Frais-Kölbl, H., H. Hauser and P.L. Fulmek, Magnetization curves of amorphous sandwich video heads **183**: 345
Franco, V., C.F. Conde and A. Conde, Changes in magnetic anisotropy distribution during structural evolution of $Fe_{76}Si_{10.5}B_{9.5}Cu_1Nb_3$ **185**: 353
Franse, J.J.M., see Thang, C.V. **171**: 237
Franse, J.J.M., see Thang, P.D. **177/181**: 1099
Franse, J.J.M., see de Visser, A. **177/181**: 287
Franse, J.J.M., see Keller, N. **177/181**: 298
Franse, J.J.M., see de Visser, A. **177/181**: 435
Franse, J.J.M., see Tung, L.D. **177/181**: 477
Franse, J.J.M., see Thang, C.V. **177/181**: 819
Franse, J.J.M., see Thang, C.V. **186**: 386
Fredo, S., see Schäfer, W. **177/181**: 808
Freeman, A.J., see Wang, X. **171**: 103
Freeman, A.J., see Wu, R.Q. **177/181**: 1216
Freeman, A.J., see Shick, A.B. **177/181**: 1223
Freeman, A.J., see Chang, C.S. **177/181**: 1255
Freeman, A.J., see Kim, M. **186**: 277
Freitas, P.P., see Pereira de Azevedo, M.M. **173**: 155
Freudenberger, J., G. Fuchs, K. Nenkov, A. Handstein, M. Wolf, A. Kreyssig, K.-H. Müller, M. Loewenhaupt and L. Schultz, Breakdown of de Gennes scaling in $Ho_xLu_{1-x}Ni_2B_2C$ **187**: 309
Frick, B., see Loewenhaupt, M. **177/181**: 1050
Fronc, K., see Gnatchenko, S.L. **186**: 139
Frost, C.D., see Bao, W. **177/181**: 283
Frota-Pessôa, S., see Klautau, A.B. **186**: 223
Fruchart, D., see Arlot, R. **172**: 119
Fruchart, D., see Vert, R. **174**: 117
Fruchart, D., see Garcia-Landa, B. **182**: 207
Fruchart, D., see Vert, R. **188**: 173
Fruchart, D., see Isnard, O. **189**: 47
Fu, Yu-jun, see Wang, Z. **171**: 300
Fuchs, G., see Freudenberger, J. **187**: 309
Fudamoto, Y., see Luke, G.M. **177/181**: 754
Fudamoto, Y., see Merrin, J. **177/181**: 799
Fuess, H., see Ehrenberg, H. **182**: 152
FuGuang Qin, see Yao, Z.-Y. **177/181**: 1291
Fujii, H., see Nakama, T. **177/181**: 1369
Fujii, H., see Takabatake, T. **177/181**: 277
Fujii, H., see Ekino, T. **177/181**: 379
Fujii, H., see Izawa, K. **177/181**: 395
Fujii, Y., T. Goto, K. Awaga, T. Okuno, Y. Sasaki and T. Mizusaki, Proton spin–lattice relaxation in *m*-MPYNN$^+ \cdot X^-$ ($X = ClO_4$, BF_4) at ultra low temperatures **177/181**: 991
Fujimori, H., see Wang, Z.J. **176**: 127
Fujimori, H., see Takanashi, K. **177/181**: 1199
Fujimori, H., see Shima, T. **177/181**: 911
Fujimori, H., see Mitani, S. **177/181**: 919
Fujimori, H., see Sugawara, T. **177/181**: 951
Fujimori, H., see Okumura, Y. **185**: 249
Fujimori, H., see Kobayashi, N. **188**: 30
Fujimori, H., see Wang, Z.J. **188**: L269
Fujimori, H., see Lim, S.H. **189**: 1
Fujimori, S., see Umehara, I. **177/181**: 1143
Fujimori, Y., see Yoshida, H. **177/181**: 1449
Fujino, Y., see Miyazaki, T. **171**: 320
Fujishiro, H., see Ikebe, M. **177/181**: 549
Fujishiro, Y., see Fujiwara, N. **177/181**: 628
Fujishiro, Y., see Azuma, M. **177/181**: 655
Fujita, M., see Wakabayashi, K. **177/181**: 1484
Fujita, O., see Nojiri, H. **177/181**: 687
Fujita, T., see Takabatake, T. **177/181**: 277
Fujita, T., see Izawa, K. **177/181**: 395
Fujita, T., see Suzuki, T. **177/181**: 415
Fujiwara, M., see Kobayashi, N. **177/181**: 875
Fujiwara, N., H. Yasuoka, Y. Fujishiro, M. Azuma and M. Takano, Nuclear magnetic resonance in the ladder system $Sr(Zn_xCu_{1-x})_2O_3$ **177/181**: 628
Fujiwara, N., see Goto, T. **177/181**: 663
Fujiwara, Y., T. Masaki, X.Y. Yu, S. Tsunashima and S. Iwata, Simulation of structural anisotropy in rare-earth transition metal multilayers **177/181**: 1173
Fujiwara, Y., see Yu, X.Y. **177/181**: 1203
Fukaura, K., see Peng, D.-L. **184**: 319
Fukawa, F., see Kato, T. **177/181**: 1427
Fukuda, H., see Kadomatsu, H. **177/181**: 1117
Fukuda, H., see Tsutaoka, T. **177/181**: 1141
Fukuda, T., see Endoh, Y. **177/181**: 1343
Fukuhara, T., see Sato, H. **177/181**: 409

Fukui, K., see Matsuyama, H. **177/181**: 1029
Fukui, T., see Chiba, M. **177/181**: 630
Fukushima, H., see Uesaka, Y. **174**: 203
Fukuyama, H., see Tatara, G. **177/181**: 193
Fukuyama, H. and H. Kohno, On the spin excitations of high-T_c cuprates (*Invited paper*) **177/181**: 483
Fullerton, E.E., see Pechan, M.J. **183**: 19
Fulmek, P.L., see Didosyan, Y.S. **177/181**: 203
Fulmek, P.L., see Frais-Kölbl, H. **183**: 345
Fulmek, P.L. and H. Hauser, Magnetization reversal and statistical domain behaviour **183**: 75
Fumagalli, P., see Güntherodt, G. **175**: 63
Funahashi, S., see Hori, T. **177/181**: 1425
Furdyna, J.K., see Rhyne, J.J. **177/181**: 1195
Furubayashi, T., see Tang, J. **177/181**: 1363
Furusaka, M., see Oku, T. **188**: 291
Furusawa, M., see Oki, A. **177/181**: 1089
Furusawa, M., Y. Seino, T. Mitani and H. Hori, Magnetoresistance and magnetization of EuTe/Ni composite thin film **177/181**: 1317
Futamoto, M., see Honda, Y. **176**: 20
Futamoto, M., see Momiji, H. **182**: 396
Füzer, J., P. Brauer and O.V. Nielsen, Magnetic behaviour of amorphous ribbons with creep-induced helical anisotropy and their fluxgate properties **188**: 286

Gaines, J.M., see van der Heijden, P.A.A. **182**: 71
Gajewski, D.A., see Ueda, K. **177/181**: 467
Gal, J., see Schäfer, W. **177/181**: 808
Galatanu, A., see Bauer, E. **177/181**: 1401
Galkin, V.Yu., W.A. Ortiz and R.S. Fishman, Local Fe moment in commensurate and incommensurate spin-density wave Cr matrix **186**: L1
Gallagher, B.L., see Overend, N. **177/181**: 898
Gallego, J.M., see Lederman, D. **183**: 261
Galli, M., see Hauser, R. **177/181**: 292
Galli, M., see El-Hagary, M. **177/181**: 551
Galli, M., see Bauer, E. **177/181**: 1401
Galli, M., see Markosyan, A.S. **185**: 235
Galtier, M., see Corno, J. **174**: L10
Galtier, P., see Maurice, J.-L. **184**: 1
Gałązka, R.R., see Łazarczyk, P. **176**: 233
Gan, L.-M., see Liu, X. **184**: 344
Gan, R.-J., see Ge, S.-H. **177/181**: 1179
Gan'shina, E., V. Guschin, I. Romanov and A. Tselev, Magneto-optical properties of Co–Pd alloy films with perpendicular magnetic anisotropy **185**: 258
Ganshina, E., see Khan, H.R. **183**: 127
Gao, M., see Xue, D. **172**: 165
Gao, Y., J. Zhu, C. Yang and E. Park, Thermomagnetic behaviors of $Nd_2Fe_{14}B/Fe_3B$ based nanocomposite magnets **186**: 97
Garcia, A., see Dormann, J.L. **187**: L139
Garcia-Beneytez, J.M., see Tejedor, M. **185**: 61
Garcia-Jaca, J., see Ehrenberg, H. **182**: 152
Garcia-Landa, B., D. Fruchart, D. Gignoux, J.L. Soubeyroux and R. Vert, Magnetic properties of $RFe_{12-x}Mo_x$ compounds (R = Y, Er) **182**: 207
Garcia-Palacios, J.L., see Bødker, F. **177/181**: 925
Garcia Soldevilla, J., J.C. Gómez Sal, J.I. Espeso, J. Rodriguez Fernandez, J.A. Blanco, M.T. Fernandez Diaz and H. Buttner, Simultaneous changes of the 4f-conduction band hybridization and the density of states in the $CeNi_{1-x}Cu_x$ compounds **177/181**: 300
Garcia-Bastida, A.J., see Garcia-Otero, J. **189**: 377
García-Beneytez, J.M., see Arcas, J. **186**: 283
García del Muro, M., R. Zquiak and X. Batlle, The effect of quenching rate on the nanocrystallization of amorphous Fe–Cu–Nb–Si–B **171**: 315
García Escorial, A., see Hernando, A. **173**: 275
García-Landa, B., see Vert, R. **188**: 173
García-Otero, J., A.J. García-Bastida and J. Rivas, Influence of temperature on the coercive field of non-interacting fine magnetic particles **189**: 377
García-Palacios, J.L., see Morales, M.P. **183**: 232
García-Palacios, J.L., see López, A. **187**: 221
Garde, C.S. and J. Ray, Magnetic and transport behaviour in Pr_3X (X = In, Sn, Ga, Ge, Ni, Co, Ru, Ir) systems **189**: 293
Garg, K.B., see Man, N.K. **177/181**: 527
Garitaonandia, J.S., see Schmool, D.S. **177/181**: 955
Garreau, G., M. Farle, E. Beaurepaire and J.P. Kappler, Spin-reorientation phase transition in Co/Tb and Co/Ho ultrathin films **184**: 289
Gasser, U., see Mulders, A.M. **177/181**: 555
Gatteschi, D., see Barra, A.L. **177/181**: 709
Gatteschi, D., A. Lascialfari and F. Borsa, ^1H NMR study of the spin dynamics in the superparamagnetic octanuclear iron cluster Fe8 **185**: 238
Gaulin, B.D., see Uemura, Y.J. **177/181**: 701
Gavoille, G., J. Hubsch and I. Mirebeau, A magnetization study of the frustrated spinel compound $Mg_{1.55}Fe_{0.9}Ti_{0.55}O_4$ **171**: 291
Gazeau, F., J.C. Bacri, F. Gendron, R. Perzynski, Yu.L. Raikher, V.I. Stepanov and E. Dubois, Magnetic resonance of ferrite nanoparticles: evidence of surface effects **186**: 175
Ge, S.-H., Z.-Z. Zhang, W.-J. Ku, K. Westerholt, Th. Muhge, H. Zabel, M.-L. Yan, W.-Y. Lai and R.-J. Gan, Influence of structural quality on GMR in Fe/Mo multilayers **177/181**: 1179
Ge, S.-L., see Yang, J.-B. **182**: 131
Geballe, T.H., see Klein, L. **188**: 319

Gebel, B., M. Kubis and K.-H. Müller, Permanent magnets prepared from $Sm_{10.5}Fe_{88.5}Zr_{1.0}N_y$ without homogenization **174**: L1
Geerts, W.J., see Caballero, J.A. **177/181**: 1229
Gegenfurtner, S., see Lanchava, B. **176**: 139
Gehanno, V., Y. Samson, A. Marty, B. Gilles and A. Chamberod, Magnetic susceptibility and magnetic domain configuration as a function of the layer thickness in epitaxial FePd(0 0 1) thin films ordered in the $L1_0$ structure **172**: 26
Gehanno, V., P. Auric, A. Marty and B. Gilles, Structural and magnetic properties of epitaxial $Fe_{0.5}Pd_{0.5}$ thin films studied by Mössbauer spectroscopy **188**: 310
Gehring, G.A., see Sena, S.P. **176**: 111
Gehring, G.A., see Bursill, R.J. **177/181**: 823
Gehring, G.A., see Coombes, D.J. **177/181**: 862
Gehring, G.A. and D.J. Coombes, The theory of small polarons in manganite **177/181**: 873
Geibel, C., see Donnevert, L. **177/181**: 375
Geibel, C., see Link, A. **177/181**: 401
Geibel, C., see Weiden, M. **177/181**: 743
Geibel, C., see Drescher, K. **182**: L275
Geisselmann, A., see Pilawa, B. **177/181**: 748
Gélinas, C., see Lefebvre, L.P. **176**: L93
Genand-Riondet, N., see Le Callonnec, C. **171**: 119
Gendron, F., see Gazeau, F. **186**: 175
Geng, D.Y., see Kim, H.T. **173**: 295
Geng, D.Y., see Xiao, Q.F. **184**: 330
Geng, W.-T., see Zhou, Y.-M. **177/181**: 1321
Geoffroy, O., see Souche, Y. **177/181**: 1277
Geoghegan, D.S., see Eilon, M.G. **175**: 249
Geoghegan, D.S., P.G. McCormick and R. Street, Anomalous magnetic viscosity in NiO/Ni **177/181**: 937
Geoghegan, D.S., A. Hütten, K.-H. Müller and L. Schultz, Magnetoresistance of melt-spun Au–Co **177/181**: 1478
Geoghegan, L.J., see Coffey, W.T. **173**: L219
George, J.-M., see Maurice, J.-L. **184**: 1
Gerber, R., R. Atkinson and Z. Šimša, Magnetism and magneto-optics of hexaferrite layers **175**: 79
Geshev, J., see Flores, W.H. **188**: 17
Gester, M., see Gregg, J. **175**: 1
Getzlaff, M., M. Bode, S. Heinze, R. Pascal and R. Wiesendanger, Temperature-dependent exchange splitting of the magnetic Gd(0 0 0 1) surface state **184**: 155
Getzlaff, M., see Bansmann, J. **185**: 94
Gewinner, G., see Hong, S. **171**: 280
Ghatak, S.K., see Palit, S. **172**: 322
Ghivelder, L., see El Massalami, M. **172**: 139
Ghivelder, L., I.A. Castillo, N.McN. Alford, G.J. Tomka, P.C. Riedi, J. MacManus-Driscoll, A.K.M. Akther Hossain and L.F. Cohen, Specific heat of $La_{1-x}Ca_xMnO_{3-\delta}$ **189**: 274
Ghosh, D., see Ghosh, M. **182**: 359
Ghosh, D., see Jana, S. **183**: 135
Ghosh, D., see Das, K. **189**: 310
Ghosh, D.K., see Kadolkar, C.Y. **177/181**: 638
Ghosh, M., S. Jana, J. Jana and D. Ghosh, Study of magnetic susceptibilities and anisotropy of Tb^{3+} diglycollate crystal **182**: 359
Gibbons, M.R., Micromagnetic simulation using the dynamic alternating direction implicit method **186**: 389
Gibbons, M.R., see Fernandez, A. **190**: 71
Gibbs, M.R.J., see Al-Khafaji, M.A. **182**: 111
Gibbs, M.R.J., see Al-Khafaji, M.A. **188**: 109
Gibbs, M.R.J., see Huo, S. **190**: 17
Gibbs, M.R.J., see Al-Khafaji, M.A. **190**: 48
Gibbs, M.R.J., see Ali, M. **190**: 199
Giebultowicz, T.M., see Rhyne, J.J. **177/181**: 1195
Gignoux, D., see Vert, R. **174**: 117
Gignoux, D., see Garcia-Landa, B. **182**: 207
Gignoux, D., see Vert, R. **188**: 173
Giguère, A., see Foldeaki, M. **174**: 295
Gilles, B., see Gehanno, V. **172**: 26
Gilles, B., see Gehanno, V. **188**: 310
Gillon, B., see Alonso, J.A., **177/181**: 1048
Gilson, R.G., see Sollis, P.M. **177/181**: 892
Gingras, M.J.P., see Luke, G.M. **177/181**: 754
Giorgadze, N. and R. Khomeriki, Nonresonant interaction of noncollinear weakly nonlinear modulated waves of magnetization **186**: 239
Giovanelli, L., O. Moze, W.A. Kockelmann, C.H. de Groot, F.R. de Boer and K.H.J. Buschow, Neutron diffraction and magnetization investigation of $Tb_2Co_{17-x}Ga_x$ intermetallics **177/181**: 1044
Giovanelli, L., see Moze, O. **189**: 329
Gippius, A.A., A.N. Vasil'ev, G.A. Petrakovskii, A.V. Zalessky, W. Hoffmann, K. Lüders, G. Dhalenne and A. Revcolevschi, Observation of $^{63,65}Cu$ and ^{209}Bi nuclear resonance in antiferromagnetic Bi_2CuO_4 **184**: 358
Girt, Er., Z. Altounian and D.H. Ryan, Fe-substitution in $Nd_2Fe_{17-\delta}X_\delta C_{0.3}$ (X = Al, Ti, V, W and $\delta = 0, 0.5$) **177/181**: 982
Givord, D., see Courtois, D. **177/181**: 995
Givord, D., see Duc, N.H. **177/181**: 1107
Givord, D., see Villas-Boas, V. **185**: 180
Givord, D., see Courtois, D. **189**: 173
Givord, F., see Alonso, J.A., **177/181**: 1048
Glijer, P., see Abarra, E.N. **175**: 148
Gmelin, E., see Awana, V.P.S. **187**: 192
Gnatchenko, S.L., A.B. Chizhik, D.N. Merenkov, V.V. Eremenko, H. Szymczak, R. Szymczak, K. Fronc and R. Zuberek, Magnetic field-induced spin reorientation

in gadolinium surface layer of Gd/Fe multilayers **186**: 139
Godinho, M., see Dormann, J.L. **185**: 1
Godinho, M., see Gonçalves, A.P. **189**: 283
Goedkoop, J., see Toulemonde, O. **190**: 307
Goiran, M., see Postava, K. **172**: 199
Goiran, M., see Jaffres, H. **184**: 19
Goiran, M., see Raquet, B. **184**: 41
Goll, D., M. Seeger and H. Kronmüller, Magnetic and microstructural properties of nanocrystalline exchange coupled PrFeB permanent magnets **185**: 49
Golub, V.O., R. Gontarz, G.N. Kakazei and N.A. Lesnik, In-plane and out-of-plane uniaxial anisotropies in Co/Pd multilayers **174**: 95
Golubenko, Z.V., see Ol'khovik, L.P. **183**: 181
Gomez, A.M., see Gonzalez, E.M. **177/181**: 495
Gomez, R.D., see Kwon, C. **172**: 229
Gómez-Polo, C., see Hernando, A. **173**: 275
Gómez-Polo, C., A. Hernando and M. El Ghannami, Coexistence of three structural and magnetic states of Fe in rapidly quenched samples: epitaxy effects in granular solids **187**: 117
Gómez-Sal, J.C., see Hernando, A. **174**: 181
Gómez Sal, J.C., see Garcia Soldevilla, J. **177/181**: 300
Gonçalves, A.P., P. Estrela, J.C. Waerenborgh, J.A. Paixão, M. Bonnet, J.C. Spirlet, M. Godinho and M. Almeida, Crystallographic and magnetic properties of $UFe_{5.8}A_{6.2}$ single crystals **189**: 283
Gong, H., see Wang, F. **177/181**: 1056
Gontarz, R., see Golub, V.O. **174**: 95
Gonzalez, E.M., A.M. Gomez, J.M. Gonzalez and J.L. Vicent, Dimensional behavior of the anisotropy in the mixed state of *a*-axis oriented $EuBa_2Cu_3O_7/PrBa_2Cu_3O_7$ and $EuBa_2Cu_3O_7/SrTiO_3$ multilayers **177/181**: 495
Gonzalez, J.M., see Gonzalez, E.M. **177/181**: 495
González, J., see Aragoneses, P. **177/181**: 199
González, J., see Chubykalo, O.A. **184**: L257
González, J., see Blanco, J.M. **186**: 135
González, J.M., see Chubykalo, O.A. **184**: L257
González, J.M., see Villas-Boas, V. **185**: 180
Goossens, D.J. and T.J. Hicks, Investigation of the temperature/field/composition magnetic phase diagram of $Mn_{1-x}Mg_xPS_3$ **177/181**: 721
Gopal, B.R., see Foldeaki, M. **174**: 295
Gordon, J.E., R.A. Fisher, Y.X. Jia, N.E. Phillips, S.F. Reklis, D.A. Wright and A. Zettl, Specific heat of $Nd_{(1-x)}Sr_xMnO_3$ **177/181**: 856
Gorisek, A., see Kilcoyne, S.H. **177/181**: 1457
Gorn, N.L., see Berkov, D.V. **182**: 81
Gorobets, S.V. and I.A. Melnichuk, Ordering of two-dimensional system of ferromagnetic particles in magnetic field **182**: 61
Gorria, P., see Schmool, D.S. **177/181**: 955
Goryaga, A.N., see Antoshina, L.G. **185**: 101
Goryaga, A.N., see Antoshina, L.G. **188**: 228
Goshima, H., see Suzuki, T. **177/181**: 415
Gosławska, E. and M. Matlak, Ferromagnetism and reentrant superconductivity **187**: 51
Gotaas, J.A., see Sollis, P.M. **177/181**: 892
Goto, T., see Hashi, K. **177/181**: 335
Goto, T., see Oyamada, A. **177/181**: 343
Goto, T., see Wada, H. **177/181**: 363
Goto, T., Y. Shindo, S. Ogawa and T. Harada, Magnetic properties of $Co(S_{1-x}Se_x)_2$ under high magnetic field and high pressure **177/181**: 579
Goto, T., see Kamishima, K. **177/181**: 587
Goto, T., see Kanomata, T. **177/181**: 589
Goto, T., see Hosokoshi, Y. **177/181**: 634
Goto, T., see Asano, T. **177/181**: 640
Goto, T., S. Sato, K. Kitamura, N. Fujiwara, J.P. Renard and M.W. Meisel, Fractional spin effect in proton magnetic relaxation in Haldane gap system TMNIN **177/181**: 663
Goto, T., see Sato, S. **177/181**: 689
Goto, T., see Shiramura, W. **177/181**: 693
Goto, T., see Hosokoshi, Y. **177/181**: 713
Goto, T., see Mekata, M. **177/181**: 731
Goto, T., see Toda, M. **177/181**: 825
Goto, T., see Fujii, Y. **177/181**: 991
Goto, T., see Ide, Y. **177/181**: 1245
Goto, T., see Sato, K. **177/181**: 1381
Goto, T., K. Ono, T. Kanomata, K. Watanabe, H. Yoshida and J.M. Cadogan, Atomic-volume dependence of the spin state in Fe-rich fcc Fe–Pt-Ru alloys **177/181**: 1421
Goto, T., see Endo, K. **177/181**: 1437
Goto, T., see Markosyan, A.S. **185**: 235
Goto, T., see Itoh, M. **190**: 210
Gou, C., see Lin, C. **186**: 129
Gourdin, C., L. Hirsinger, G. Barbier and R. Billardon, Experimental identification of the coupling between the anhysteretic magnetic and magnetostrictive behaviours **177/181**: 201
Gouteff, P.C., L. Folks and R. Street, MFM study of NdFeB and NdFeB/Fe/NdFeB thin films **177/181**: 1241
Goveas, N., see Kadolkar, C.Y. **177/181**: 638
Govindaraju, M., X. Fang, S.B. Biner and D.C. Jiles, Effect of stress and microstructural changes on magnetic properties of nickel–alumina composites **177/181**: 207
Grabias, A., see Kopcewicz, M. **177/181**: 1434
Gradmann, U., see Dürkop, T. **172**: L1
Gradmann, U., see Elmers, H.J. **177/181**: 827
Graf, M.J., see de Visser, A. **177/181**: 287
Graham, Jr. C.D., see Shin, K.H **177/181**: 225
Granberg, P., P. Isberg, E.B. Svedberg, B. Hjörvarsson, P. Nordblad and R. Wäppling, Antiferromagnetic coupling and giant

magnetoresistance in Fe/V(0 0 1) superlattices **186**: 154
Granberg, P., see Liu, H.-p. **189**: 69
Grandjean, F., see Long, G.J. **176**: 217
Grandjean, F., see Pringle, O.A. **183**: 81
Grandjean, F., see Long, G.J. **186**: 10
Granito, N., see Inagaki, Y. **177/181**: 723
Granovsky, A., see Usov, N. **171**: 64
Granovsky, A., see Khan, H.R. **183**: 127
Granovsky, A., see Khan, H.R. **183**: 379
Granroth, G.E., see Ward, B.H. **177/181**: 661
Gratz, E., see Dubenko, I.S. **177/181**: 571
Gratz, E., see Burkov, A.T. **177/181**: 1069
Gratz, E. and A. Lindbaum, Anomalous thermal expansion in Gd-based intermetallics **177/181**: 1077
Gratz, E., see Kapusta, C.z. **177/181**: 1121
Gratz, E., A. Lindbaum, A.S. Markosyan and M. Milnera, Magnetoresistance in $Y(Ni_{1-x}Co_x)_5$ around the critical concentration for the onset of ferromagnetism **184**: 372
Gratz, E., see Markosyan, A.S. **185**: 235
Gray, E.MacA., see Blach, T.P. **177/181**: 985
Green, A.C.M., see Edwards, D.M. **177/181**: 296
Gregg, J., W. Allen, N. Viart, R. Kirschman, C. Sirisathitkul, J.-P. Schille, M. Gester, S. Thompson, P. Sparks, V. Da Costa, K. Ounadjela and M. Skvarla, The art of sp↑n electron↓cs **175**: 1
Greneche, J.M., see Cavellec, M. **174**: 109
Grenier, J.-C., see Kachkachi, H. **172**: 173
Griffiths, M.K., J.E.L. Bishop, J.W. Tucker and H.A. Davies, Computer simulation of single-phase nanocrystalline permanent magnets **183**: 49
Grigorova, M., H.J. Blythe, V. Blaskov, V. Rusanov, V. Petkov, V. Masheva, D. Nihtianova, Ll.M. Martinez, J.S. Muñoz and M. Mikhov, Magnetic properties and Mössbauer spectra of nanosized $CoFe_2O_4$ powders **183**: 163
Grolier, V., see Kirilyuk, A. **171**: 45
Grosche, F.M., see Julian, S.R. **177/181**: 265
Grössinger, R., see Bogner, J. **177/181**: 839
Grössinger, R., see Kou, X.C. **177/181**: 1002
Grössinger, R., see Sato Turtelli, R. **177/181**: 1389
Grünberg, P., see Osthöver, C. **177/181**: 854
Grünberg, P., see Voges, F. **190**: 183
Grünberger, W., see Gutfleisch, O. **183**: 359
Grundy, P.J., see O'Grady, K. **177/181**: 886
Grundy, P.J., see Tatnall, C.J. **177/181**: 1181
Grundy, P.J., see Hutchings, J.A. **177/181**: 1201
Gu, B.X. and H. Wang, Structure and magnetic properties of $Co/CoFe_2O_4$ multilayers **173**: 163
Gu, B.X., Low temperature magnetization behaviour in amorphous oxides **183**: 375
Gu, B.X. and H. Wang, Structure and magnetic properties of sputtered FCC Co(1 1 1) films grown on a glass substrate **187**: 47
Gu, G., see Tang, W. **185**: 241
Gu, J.Y., see Kwon, C. **172**: 229
Guarisco, D., see Macedo, W.A.A. **177/181**: 1262
Gubbens, P.C.M., see Mulders, A.M. **177/181**: 555
Gubbens, P.C.M., R. van Geemert and K.H.J. Buschow, Magnetic behaviour of the quasi-ground-state doublet in TmCuAl **177/181**: 1149
Gubbiotti, G., G. Carlotti, F. D'Orazio, F. Lucari, R. Bernardini and M. De Crescenzi, Magnetic anisotropy in epitaxial Cu/Ni/Cu/Si(1 1 1) ultrathin films studied by magneto-optical Kerr effect and Brillouin spectroscopy **177/181**: 1259
Guerret-Piécourt, C., see Raquet, B. **184**: 41
Guille, J.L., see Estournès, C. **173**: 83
Guimarães, A.P., see Biondo, A. **176**: 272
Guimarães, A.P., see de Jesus, V.L.B. **177/181**: 1125
Guimarães, A.P., see Kapusta, C.z. **177/181**: 1121
Guirado-López, R., D. Spanjaard, M.C. Desjonquères and F. Aguilera-Granja, Electronic and geometrical effects on the magnetism of small Ru_N clusters **186**: 214
Gulacsi, M. and P.W. Anderson, Two-body scattering phase shifts in the Hubbard model **177/181**: 319
Gulacsi, M., see Bishop, A.R. **184**: 302
Gulacsi, M., see Honner, G. **184**: 307
Gulacsi, M., see Bedell, K.S. **184**: 313
Gulacsi, M., see McCulloch, I.P. **184**: 316
Gunßer, W., see Neuendorf, H. **173**: 117
Güntherodt, G., P. Fumagalli, U. Rüdiger, G. Eggers, T. Roos, A. Rosenberger, N. Held and A. Münnemann, New concepts for magneto-optic data storage: MnBi revisited and magneto-optic SNOM **175**: 63
Güntherodt, G., see Weiden, M. **177/181**: 743
Güntherodt, H.-J. see Moser, A. **190**: 114
Guo, G., see Sun, H. **176**: 213
Guo, G.Y., Strain, interdiffusion, magnetism and magnetic anisotropy in Cu/Ni/Cu(0 0 1) sandwiches **176**: 97
Guo, G.Y., see Knabben, D. **190**: 349
Guo, Z.-B., W.-P. Ding, W. Zhong, J.-R. Zhang and You-Wei Du, Preparation and magnetic properties of $SrFe_{12}O_{19}$ particles prepared by the salt-melt method **175**: 333
Guo, Z.B., see Huang, H. **173**: 302
Gupta, L.C., see Hossain, Z. **184**: 235
Guschin, V., see Gan'shina, E. **185**: 258
Gutfleisch, O., see Thompson, P. **177/181**: 978
Gutfleisch, O., A. Kirchner, W. Grünberger, D. Hinz, R. Schäfer, L. Schultz, I.R. Harris and K.H. Müller, Backward extruded NdFeB HDDR ring magnets **183**: 359

Gutiérrez, M.O., see Contreras, M.C. **175**: 64
Gutiérrez, M.O., see Krishnan, R. **188**: 35
Gygax, F.N., see de Visser, A. **177/181**: 435
Gyorffy, B.L., see Arola, E. **177/181**: 1415
Györffy, B.L., see Udvardi, L. **183**: 283
Györffy, B.L., see Lathiotakis, N.N. **185**: 293
Gzik, M., see Tucker, J.W. **187**: 381

Haanappel, E.G., see Brück, E. **177/181**: 767
Haase, W., see Tomkowicz, Z. **172**: 128
Haast, M., see Abelmann, L. **190**: 135
Hadjipanayis, G.C., see Chen, Z. **171**: 261
Hadjipanayis, G.C., see Panagiotopoulos, I. **172**: 225
Hadjipanayis, G.C., see Chen, Z. **177/181**: 1109
Hadjipanayis, G.C., see Prados, C. **177/181**: 1293
Hadjipanayis, G.C., see Dimitrov, D. **177/181**: 1308
Hadjipanayis, G.C., see Chen, Z. **186**: 41
Hadjipanayis, G.C., see Dimitrov, D.V. **188**: 8
Hadjipanayis, G.C., see Dimitrov, D.V. **189**: 25
Hadjipanayis, G.C., see Kim, D.H. **190**: 240
Hadjipanayis, G.C., see Kim, D.H. **190**: 302
Hadjoudj, S., S. Senoussi, M.F. Mosbah and Y. Öner, Influence of palladium on the unidirectional anisotropy field in NiMn disordered systems **175**: 328
Hafner, J., see Bogner, J. **177/181**: 839
Haga, Y., see Aoki, Y. **177/181**: 271
Haga, Y., see Yoshizawa, M. **177/181**: 305
Haga, Y., see Kimura, S. **177/181**: 351
Haga, Y., see Inada, Y. **177/181**: 389
Haga, Y., see Iwasa, K. **177/181**: 393
Haga, Y., see Suzuki, T. **177/181**: 415
Haga, Y., see Terashima, T. **177/181**: 421
Haga, Y., E. Yamamoto, N. Kimura, M. Hedo, H. Ohkuni and Y. Ōnuki, High-quality single crystal growth of uranium-based intermetallics **177/181**: 437
Haga, Y., see Metoki, N. **177/181**: 449
Haga, Y., see Takeuchi, T. **177/181**: 463
Hagiwara, M., see Chiba, M. **177/181**: 630
Hagiwara, M., see Sato, R. **177/181**: 645
Hagiwara, M., see Narumi, Y. **177/181**: 685
Hahn, W., see Loewenhaupt, M. **177/181**: 1050
Halevy, I., see Schäfer, W. **177/181**: 808
Hall, M.J., D.B. Jardine, J.E. Evetts, J.A. Leake and R.E. Somekh, The role of the magnetic structure and interface scattering in the GMR of magnetic multilayers **173**: 253
Hamacher, K., see Sonntag, P. **183**: 5
Hamada, M., see Kontani, M. **177/181**: 397
Hamada, N., see Sawada, H. **177/181**: 879
Hamada, R., see Dumpich, G. **177/181**: 377
Hamaguchi, Y., see Tsuchiya, Y. **177/181**: 1447
Hamamoto, T., see Nojiri, H. **177/181**: 687
Hamasaki, T., F.M. Mulder and P.M. Paulus, NMR study of $GdGa_{2-x}Al_x$ **177/181**: 1105
Hamdeh, H.H., K. Barghout, J.C. Ho, R.J. Willey and M.J. O'Shea, Mössbauer study of aerogel-synthesized Ge-Fe-oxide with T_N near 260 K **186**: 377
Hammann, J., see Sappey, R. **177/181**: 957
Han, B.S., see Tang, G.D. **185**: 379
Han, D.H., see Wang, C.S. **183**: 241
Han, S.H., see Lim, S.H. **189**: 1
Han, X., see Pan, H. **185**: 77
Han, X.-F., R.-G. Xu, X.-H. Wang, H.G. Pan, E. Baggio-Saitovitch, T. Miyazaki, F.M. Yang and C.P. Cheng, Structural and magnetic properties of hydrides $R_3Fe_{29-x}V_xH_y$ (R = Y, Ce, Nd, Sm, Gd, Tb, and Dy) **190**: 257
Han, Z.-P., see Hillier, A.D. **177/181**: 1111
Handstein, A., see Freudenberger, J. **187**: 309
Haneczok, G., see Ciurzyńska, W. **189**: 384
Hansen, M.F., F. Bødker, S. Mørup, C. Djurberg and P. Svedlindh, Magnetic properties of non-interacting Fe–C nanoparticles **177/181**: 928
Hansen, M.F. and S. Mørup, Models for the dynamics of interacting magnetic nanoparticles **184**: 262
Hanson, M., see Johansson, C. **173**: 5
Hanson, M., Z.G. Ivanov, C. Johansson, Yu. Kislinski and P. Larsson, A magnetic phase transition studied with high-T_C SQUIDs **177/181**: 519
Hanson, M.E., see Horvatić, M.Y. **177/181**: 669
Hanzawa, K., Anisotropic hybridization gap in intermediate-valence Sm compounds **177/181**: 347
Happich, J., see Estournès, C. **173**: 83
Hara, R., see Hiraoka, T. **177/181**: 383
Harada, I., S. Mori and N. Ohtsuka, Dynamics of a dimerized quantum-spin chain with competing interactions **177/181**: 665
Harada, I., see Matsuyama, H. **177/181**: 1029
Harada, T., see Goto, T. **177/181**: 579
Harima, H., FLAPW band structure calculation and fermi surface for $LaFe_4P_{12}$ **177/181**: 321
Harima, H., see Tanaka, S. **177/181**: 329
Harima, H., see Aoki, D. **177/181**: 365
Harima, H., see Betsuyaku, K. **177/181**: 1405
Harima, H., see Tanaka, H. **177/181**: 1468
Harker, S.J., J.M. Cadogan, G.A. Stewart, S.J. Campbell, S.J. Kennedy and A.V.J. Edge, A structural and magnetic study of $Nd(Fe, Ni)_{8.5}Si_{2.5}$ **183**: 101
Harris, I.R., see Edgley, D.S. **173**: 29
Harris, I.R., see Steyaert, S. **176**: 297
Harris, I.R., see Thompson, P. **177/181**: 978
Harris, I.R., see Gutfleisch, O. **183**: 359
Harris, M.J., S.T. Bramwell, T. Zeiske, D.F. McMorrow and P.J.C. King, Magnetic structures of highly frustrated pyrochlores (*Invited paper*) **177/181**: 757

Hart, A., see Coverdale, G.N. **188**: 41
Hartjes, K., W. Jeitschko and M. Brylak, Magnetic properties of the rare-earth transition metal antimonides $LnVSb_3$ and $LnCrSb_3$ (Ln = La–Nd, Sm) **173**: 109
Hartmann, C., see Hillebrands, B. **175**: 10
Hartmann, U., see Hillebrands, B. **175**: 10
Hartmann, U., see Memmert, U. **190**: 124
Hartridge, A., A.K. Bhattacharya, M. Sengupta, C.K. Majumdar, D. Das and S.N. Chintalapudi, Crystallite size dependence on the magnetic properties of nano-crystalline magnetite powders **176**: L89
Hartridge, A., A.K. Bhattacharya, C.K. Majumdar, D. Das and S.N. Chintalapudi, A Mössbauer study of Fe_2O_3–Cr_2O_3 nanocrystals dispersed in a silica matrix **183**: L1
Hase, M., Coexistence of spin-Peierls and antiferromagnetic long-range orders in $CuGeO_3$ doped with impurities (*Invited paper*) **177/181**: 611
Hase, M., see Kuroe, H. **177/181**: 679
Hase, M., see Sekine, T. **177/181**: 691
Hase, M., see Takehana, K. **177/181**: 699
Hase, T.P.A., I. Pape, B.K. Tanner, H. Laidler, P. Ryan and B.J. Hickey, The relation of structure to giant magnetoresistance in Co/Cu multilayers **177/181**: 1164
Hasegawa, A., see Maehira, T. **177/181**: 381
Hasegawa, A., see Higuchi, M. **177/181**: 439
Haselwimmer, R.K.W., see Julian, S.R. **177/181**: 265
Hashi, K., A. Oyamada, S. Maegawa, T. Goto, D.X. Li and T. Suzuki, NMR study of the magnetic transition and the Fermi-liquid behavior in YbAs **177/181**: 335
Hashi, K., see Ohoyama, K. **177/181**: 339
Hashi, K., see Oyamada, A. **177/181**: 343
Hashimoto, T., see Itoh, K. **190**: 176
Hattori, K., see Iwata, N. **173**: 126
Hatzl, R., G. Wiesinger, X.C. Kou and M. Hofmann, On the magnetic structure of $Er_2Fe_{14}Si_2$ **187**: 318
Hauptmann, R., see Weiden, M. **177/181**: 743
Hauschild, J., see Elmers, H.J. **177/181**: 827
Hauser, H., see Didosyan, Y.S. **177/181**: 203
Hauser, H., see Fulmek, P.L. **183**: 75
Hauser, H., see Frais-Kölbl, H. **183**: 345
Hauser, R., M. Galli, E. Bauer, A. Kottar, G. Hilscher and D. Kaczorowski, Tuning of a non-Fermi-liquid state in $CeNiGa_2$ **177/181**: 292
Hauser, R., see Doktor, M. **177/181**: 333
Hauser, R., see El-Hagary, M. **177/181**: 551
Hauser, R., see Bauer, E. **177/181**: 1401
Hauser, R., see Markosyan, A.S. **185**: 235
Hautot, D., see Pringle, O.A. **183**: 81
Hautot, D., see Long, G.J. **186**: 10
Havela, L., see Aoki, Y. **177/181**: 271
Havela, L., see Iwamoto, Y. **177/181**: 585
Havela, L., see Cuong, T.D. **177/181**: 597
Havela, L., see de Châtel, P.F. **177/181**: 785
Havela, L., see Javorský, P. **177/181**: 1052
Havela, L., see Prokeš, K. **184**: 369
Hawley, M.E., G.W. Brown and D.J. Markiewicz, Magnetic force microscopy observation of the magnetic structure of deformation induced shear bands in amorphous $Fe_{80}B_{16}Si_4$. **190**: 89
Haworth, C., see Terashima, T. **177/181**: 421
Haworth, C.J., H. Aoki, M. Takashita, T. Terashima, T. Matsumoto, N. Sato and S. Kunii, The Fermi surface of CeB_6 under pressure **177/181**: 369
Haworth, C.J., see Aoki, H. **177/181**: 371
Haworth, C.J., see Takashita, M. **177/181**: 417
Haworth, C.J., see Ramakrishnan, S. **177/181**: 459
Hayasaka, Y., see Shima, T. **177/181**: 911
Hayashi, M., M. Susa and K. Nagata, Magnetic interaction between magnetite particles dispersed in calciumsilicate glasses **171**: 170
Hayashi, M., see Okubo, S. **177/181**: 763
Hayashi, M., see Okuda, K. **177/181**: 1375
Hayashi, N., see Uesaka, Y. **174**: 203
Hayashi, N., see Taguchi, R. **176**: 8
Hayashi, S., S. Kimura, H. Ohta, H. Kikuchi, H. Nagasawa, H. Nojiri and M. Motokawa, Submillimeter wave ESR of $S = 1$ antiferromagnetic Heisenberg chain system with bond alternation **177/181**: 667
Hayn, R., see Richter, J. **177/181**: 737
He, Kai-yuan, see Wang, Z. **171**: 300
He, Kai-yuan, see Xu, H. **174**: 316
He, Shu-li, see Wang, Z. **171**: 300
Hearne, G.R., see Pasternak, M.P. **177/181**: 1377
Hedin, L., see Fleck, M. **177/181**: 599
Hedo, M., see Yoshizawa, M. **177/181**: 305
Hedo, M., see Sugawara, H. **177/181**: 359
Hedo, M., see Inada, Y. **177/181**: 389
Hedo, M., see Suzuki, T. **177/181**: 415
Hedo, M., see Haga, Y. **177/181**: 437
Heffner, R.H., see Nieuwenhuys, G.J. **177/181**: 803
Heide, C., see Elliott, R.J. **177/181**: 769
Heimann, J., see Nateprov, A. **172**: 193
Heimann, J., see Talik, E. **186**: 33
Heimann, J., see Jendrzejewska, I. **186**: 381
Heinze, S., see Getzlaff, M. **184**: 155
Hejtmanek, J., see Mukhin, A.A. **177/181**: 531
Held, N., see Güntherodt, G. **175**: 63
Helfrich, R., M. Köppen, M. Lang, F. Steglich and A. Ochiai, New observations concerning the low-temperature properties of the carrier-poor heavy-fermion system Yb_4As_3 **177/181**: 309
Helfrich, R., see Langhammer, C. **177/181**: 443
Hellmann, P., see Donnevert, L. **177/181**: 375

Henini, M., see Overend, N. **177/181**: 898
Hennequin, J.-F., see Chérif, S.M. **175**: 228
Hennion, M., see Mirebeau, I. **175**: 290
Hennion, M., F. Moussa, J. Rodriguez-Carvajal, L. Pinsard and A. Revcolevschi, New spin-wave branch induced by the hole doping in $La_{1-x}Ca_xMnO_3$ **177/181**: 858
Herbich, M., see Łazarczyk, P. **176**: 233
Herbst, J.F. and F.E. Pinkerton, Model calculations of torque-induced axial magnetization in circumferentially magnetized rings: Small angle approximation **176**: 183
Hernando, A., C. Gómez-Polo, M. El Ghannami and A. García Escorial, Approach to saturation and magnetic properties of melt-spun Fe–Cu granular systems **173**: 275
Hernando, A., J.M. Barandiarán, J.M. Rojo and J.C. Gómez-Sal, About the effect of pressure and volume expansion on the transition from antiferromagnetic to ferromagnetic state in some metal alloys **174**: 181
Hernando, A., see Chiriac, H. **177/181**: 205
Hernando, A., see Del Bianco, L. **177/181**: 939
Hernando, A., P. Marín, M. Vázquez and G. Herzer, Thermal dependence of coercivity in magnetic nano- structures **177/181**: 959
Hernando, A., see Prados, C. **177/181**: 1293
Hernando, A., see Arcas, J. **186**: 283
Hernando, A., see Gómez-Polo, C. **187**: 117
Hernando, B., see Tejedor, M. **185**: 61
Herper, H.C., see Entel, P. **177/181**: 1409
Hertel, R., see Kronmüller, H. **175**: 177
Hervieu, M., see Damay, F. **184**: 71
Hervieu, M., see Maignan, A. **188**: 185
Hervieu, M., see Damay, F. **190**: 221
Herzer, G., see Suzuki, K. **177/181**: 949
Herzer, G., see Hernando, A. **177/181**: 959
Herzer, G., see Tejedor, M. **185**: 61
Hesse, J., see Thamm, S. **184**: 245
Hettkamp, P., see Strecker, M. **177/181**: 1095
Heydon, G., see Al-Khafaji, M.A. **190**: 48
Heydon, G.P., see Abelmann, L. **190**: 135
Hibi, T., see Adachi, N. **177/181**: 233
Hickey, B.J., see Hase, T.P.A. **177/181**: 1164
Hickey, B.J., see Marrows, C.H. **184**: 137
Hicks, T.J., see Goossens, D.J. **177/181**: 721
Hicks, T.J., see Ersez, T. **177/181**: 1351
Hicks, T.J., see Cussen, L.D. **177/181**: 1419
Hida, K., Density matrix renormalization group study of random dimerized antiferromagnetic Heisenberg chain **177/181**: 632
Hidaka, M., see Yamada, I. **177/181**: 703
Hidaka, M., see Ishizuka, M. **177/181**: 725
Hiebl, K. and O. Sologub, Electrical resistivity and magnetic properties of the ternary compounds Ho_2TGe_2; T = Ru, Os **186**: 56
Hien, T.D., see Man, N.K. **177/181**: 527
Higa, M., see Takabatake, T. **177/181**: 277
Higuchi, M., see Maehira, T. **177/181**: 381
Higuchi, M., Y. Onuki and A. Hasegawa, Atomic structures of the rare-earths and actinides via relativistic current- and spin-density functional theory **177/181**: 439
Hihara, T., see Kishimoto, Y. **177/181**: 367
Hikihara, T., see Tonegawa, T. **177/181**: 647
Hillberg, M., see Wagener, W. **177/181**: 545
Hillebrands, B., C. Mathieu, C. Hartmann, M. Bauer, O. Büttner, S. Riedling, B. Roos, S.O. Demokritov, B. Bartenlian, C. Chappert, D. Decanini, F. Rousseaux, E. Cambril, A. Müller, B. Hoffmann and U. Hartmann, Static and dynamic properties of patterned magnetic permalloy films **175**: 10
Hillebrecht, F.U., see Knabben, D. **190**: 349
Hillier, A.D., see Stewart, J.R. **177/181**: 602
Hillier, A.D., J.R. Stewart, M.T.F. Telling, R.I. Bewley, Z.-P. Han, S.L. Lee and R. Cywinski, A μSR study of anomalous rare-earth spin dynamics in RNi_2B_2 (R = Er, Tb) **177/181**: 1111
Hillier, A.D., see Rustom, A. **177/181**: 1153
Hilscher, G., see Hauser, R. **177/181**: 292
Hilscher, G., see Doktor, M. **177/181**: 333
Hilscher, G., see El-Hagary, M. **177/181**: 551
Hilscher, G., see Kreiner, K. **177/181**: 581
Hilscher, G., see Markosyan, A.S. **185**: 235
Himi, K., see Wang, Z.J. **188**: L269
Hinz, D., see Gutfleisch, O. **183**: 359
Hirai, K., First-principles KKR calculation for spin-density-wave chromium **177/181**: 1407
Hiraka, H., Y. Endoh and K. Yamada, Inelastic magnetic neutron scattering from a metallic ferromagnet CoS_2 **177/181**: 1349
Hiraka, H., see Ishiguro, A. **177/181**: 1355
Hiraka, H., see Matsuura, M. **177/181**: 1365
Hirano, K., see Mitsudo, S. **177/181**: 877
Hiraoka, T., T. Nobata, R. Hara, G. Nakamoto and M. Kurisu, Approach of the state from antiferromagnetic to heavy fermion in $CeIn(Ag_{1-x}Cu_x)_2$ under pressure **177/181**: 383
Hiratsuka, N., M. Nozawa and K. Kakizaki, Magnetic properties of cobalt ferrite films with perpendicular magnetic anisotropy **176**: 31
Hiratsuka, N., see Kakizaki, K. **176**: 36
Hirayama, T., M. Nakagawa, A. Sumiyama and Y. Oda, Thermal history dependence of superconducting properties in $La_2CuO_{4+\delta}$ **177/181**: 521
Hirayama, T., see Nakagawa, M. **177/181**: 533
Hirayama, Y., see Honda, Y. **176**: 20
Hirohata, A., T. Ono and H. Miyajima, Magnetic properties of martensite in Fe–Ni alloy measured by means of scanning probe microscopy **177/181**: 1243

Hiroi, M., see Takabatake, T. **177/181**: 277

Hiroi, M., M. Sera, T. Sakon, H. Nojiri, N. Kobayashi, M. Motokawa and S. Kunii, Magnetoresistance and high-field magnetization of $Ce_{0.5}La_{0.5}B_6$ and $Ce_{0.7}La_{0.3}B_6$ single crystals **177/181**: 429

Hiromitsu, I., see Ito, T. **177/181**: 1079

Hirooka, T., see Kawano, S. **177/181**: 1019

Hirosawa, S., see Uehara, M. **177/181**: 997

Hirota, E., see Sakakima, H. **184**: 49

Hirota, K., A. Nishizawa and Y. Endoh, Magnetic excitations of bandwidth-controlled Mn perovskite $(La_{1-x-y}Y_y)Sr_xMnO_3$ **177/181**: 864

Hirota, K., see Mitsudo, S. **177/181**: 877

Hirota, Y., see Tanaka, N. **177/181**: 1387

Hirotsu, Y., see Nakata, Y. **177/181**: 1175

Hirotsu, Y., see Tanaka, H. **177/181**: 1468

Hiroyoshi, H., see Maki, K. **177/181**: 1361

Hirsinger, L., see Gourdin, C. **177/181**: 201

Hisano, S. and K. Saito, Research and development of metal powder for magnetic recording **190**: 371

Hisazaki, Y., see Iwasa, K. **177/181**: 393

Hitaka, M., see Kawae, T. **177/181**: 795

Hitaka, M., see Takeda, K. **177/181**: 817

Hjörvarsson, B., see Granberg, P. **186**: 154

Ho, E., see Jackson, M. **177/181**: 1287

Ho, J.C., see Hamdeh, H.H. **186**: 377

Ho, K., see Mei, L. **187**: 268

Hoare, A., see Chantrell, R.W. **177/181**: 894

Hoffman, E., see Seifu, D. **189**: 305

Hoffmann, A., see Martin, J.I. **177/181**: 915

Hoffmann, B., see Hillebrands, B. **175**: 10

Hoffmann, H., see Lanchava, B. **176**: 139

Hoffmann, W., see Gippius, A.A. **184**: 358

Hofmann, M., S.J. Campbell, S.J. Kennedy and X.L. Zhao, A neutron diffraction study of $LaMn_2Si_2$ (10–473 K) **176**: 279

Hofmann, M., see Hatzl, R. **187**: 318

Holden, T.M., see Lamarche, A.-M. **186**: 121

Holloway, H., see Jedryka, E. **177/181**: 1183

Holody, P., see Petroff, F. **175**: 33

Holody, P., see Schroeder, P.A. **177/181**: 1464

Homma, M., see Watanabe, M. **177/181**: 1231

Homma, T., Y. Sezai, T. Osaka, Y. Maeda and D.M. Donnet, Compositional inhomogeneity in electroless-deposited CoNiP films studied by spin-echo ^{59}Co nuclear magnetic resonance **173**: 314

Homma, Y., see Li, D.X. **176**: 261

Homma, Y., see Ohno, T. **177/181**: 453

Honda, F., see Prokeš, K. **184**: 369

Honda, K., see Kobayashi, Y. **176**: 164

Honda, N., see Keitoku, T. **176**: 25

Honda, N., see Kikawada, A. **176**: 66

Honda, N., see Takemura, Y. **177/181**: 1319

Honda, Y., Y. Hirayama, K. Ito and M. Futamoto, Magnetization structures of CoCr-alloy perpendicular magnetic recording media **176**: 20

Honda, Z., see Katsumata, K. **177/181**: 626

Hondou, K., see Kato, T. **177/181**: 591

Hong Duong, V., see Sato Turtelli, R. **177/181**: 1389

Hong, S., C. Pirri, P. Wetzel, G. Gewinner, S. Boukari and E. Beaurepaire, Structure and magnetism of $Fe_{3-x}Co_xSi$ $(0 \leqslant x \leqslant 2.5)$ epitaxially stabilized on Si(1 1 1) **171**: 280

Hong, S.C., see Chang, C.S. **177/181**: 1255

Honig, J.M., see Bao, W. **177/181**: 283

Honner, G. and M. Gulacsi, Ferromagnetism in the one-dimensional Kondo lattice model **184**: 307

Hoon, S.R., see Abelmann, L. **190**: 135

Hordequin, C., J.P. Nozières and J. Pierre, Half metallic NiMnSb-based spin-valve structures **183**: 225

Hori, H., see Mekata, M. **177/181**: 731

Hori, H., see Nunomura, N. **177/181**: 947

Hori, H., see Oki, A. **177/181**: 1089

Hori, H., see Furusawa, M. **177/181**: 1317

Hori, T., see Shiraishi, H. **177/181**: 1417

Hori, T., H. Niida, K. Ohyama, M. Ohashi, H. Onodera, Y. Yamaguchi, H. Kato and Y. Nakagawa, Magnetic properties of $(Fe_{1-x}Mn_x)_3Ga$ **177/181**: 1423

Hori, T., Y. Tuchiya, S. Funahashi, M. Akimitsu, Y. Shimojo, H. Shiraishi and Y. Nakagawa, Neutron diffraction study on hp 13 type $M_{7-x}Mn_xGe_6$ (M = Co, Fe) **177/181**: 1425

Horisberger, M., see Clemens, D. **177/181**: 1237

Horvat, J., see Wang, X.L. **182**: L1

Horvat, J., see Awana, V.P.S. **182**: L280

Horvatić, M.Y., Fagot-Revurat, M.E. Hanson, C. Berthier, P. Ségransan, G. Dhalenne and A. Revcolevschi, NMR study of the $CuGeO_3$ spin-Peierls system **177/181**: 669

Hoshi, K., see Oba, N. **177/181**: 1439

Hoshi, K., see Takano, H. **177/181**: 1445

Hoshi, K., see Tsuchiya, Y. **177/181**: 1447

Hoshi, Y., E. Suzuki and T. Osaka, Diamond-like carbon films deposited without deposition particles of large incidence angles by sputtering **176**: 51

Hoshi, Y., H. Shinozaki, H. Shimizu, K. Kato and F. Kaneko, Alternate layer deposition method for the deposition of *c*-axis oriented hexagonal barium ferrite thin films **177/181**: 241

Hoshino, K., see Nakatani, R. **173**: 321

Hoshino, T., see Asato, M. **177/181**: 1403

Hoshino, T., M. Asato, T. Asada, R. Zeller and P.H. Dederichs, Non-self-consistent first-principles calculations for total-energy differences **177/181**: 1411

Hoshiya, H., see Nakatani, R. **173**: 321
Hosoito, N., see Emoto, T. **189**: 136
Hosokoshi, Y., K. Takizawa, H. Nakano, T. Goto, M. Takahashi and K. Inoue, Construction of spin-$\frac{1}{2}$ Heisenberg ferromagnetic–antiferromagnetic alternating chains with various exchange couplings **177/181**: 634
Hosokoshi, Y., M. Takahashi, T. Goto and K. Inoue, Magnetic properties of spin-$\frac{1}{2}$ Heisenberg honeycomb lattice with ferromagnetic and antiferromagnetic interactions **177/181**: 713
Hosokoshi, Y., see Nakano, H. **177/181**: 717
Hossain, Z., R. Nagarajan, S.K. Dhar and L.C. Gupta, Anomalously high T_m for Yb-ions in a new quaternary borocarbide, YbNiBC **184**: 235
Hou, D.-L., X.-F. Nie and H.-L. Luo, Magnetic anisotropy and coercivity of ultrafine iron particles **188**: 169
Howson, M.A., see Overend, N. **177/181**: 898
Hsu, L.-S., K.-L. Tsang and S.-C. Chung, Resonant photoemission and photoabsorption at the Ni $L_{2,3}$ edges of NiGa and Ni_3Ga **177/181**: 1031
Hsu, S.Y., see Schroeder, P.A. **177/181**: 1464
Hu, A., see Kang, S.S. **177/181**: 1313
Hu, A., see Zheng, W.M. **177/181**: 1315
Hu, A., see Kang, S.S. **187**: 154
Hu, B.Y., see Yang, X.L. **175**: 285
Hu, X., see Stüßer, N. **177/181**: 815
Hu, Z., see Long, G.J. **176**: 217
Hu, Z., see Pringle, O.A. **183**: 81
Hu, Z.B., see Chang, W.C. **172**: 277
Huang, D.-D., see Yao, Z.-Y. **177/181**: 1291
Huang, H., Z.B. Guo, D.H. Wang and Y.W. Du, Large magnetic entropy change in $La_{0.67-x}Gd_xCa_{0.33}MnO_3$ **173**: 302
Huang, H.L., see Chen, B.L. **171**: 218
Huang, H.L., see Sobolev, V.L. **172**: 83
Huang, H.L., see Lu, J.J. **177/181**: 905
Huang, J.Y., see Jen, S.U. **174**: 33
Huang, M.Q. and W.E. Wallace, Structure and magnetic properties of $RFe_{13-x}Si_x$ (R = Pr, Nd or Gd, $x = 2.5$–5) **173**: L225
Huang, M.Q., see Shah, V.R. **190**: 233
Hubert, A., see Wenzel, L. **175**: 205
Hubert, A., see Rave, W. **177/181**: 1474
Hubert, A., see Rave, W. **183**: 329
Hubert, A. and W. Rave, Arrott's ideal soft magnetic cylinder, revisited **184**: 67
Hubert, A., see Rave, W. **184**: 179
Hubert, A., see Kamberský, V. **189**: 149
Hubert, A., see Neu, V. **189**: 391
Hubert, A., see Zueco, E. **190**: 42
Hubert, A., see Rave, W. **190**: 332
Hübner, W. and G.P. Zhang, Femtosecond spin dynamics probed by linear and nonlinear magneto-optics **189**: 101
Hubsch, J., see Gavoille, G. **171**: 291
Hücker, M., J. Pommer, W. Schlabitz, V. Kataev and B. Büchner, Magnetic properties of the CuO_2 planes in the low-temperature tetragonal phase of Eu-doped $La_{2-x}Sr_xCuO_4$ **177/181**: 539
Hueso, L.E., F. Rivadulla, R.D. Sánchez, D. Caeiro, C. Jardón, C. Vázquez-Vázquez, J. Rivas and M.A. López-Quintela, Influence of the grain-size and oxygen stoichiometry on magnetic and transport properties of polycrystalline $La_{0.67}Ca_{0.33}MnO_{3\pm\delta}$ perovskites **189**: 321
Hug, H.J., see Moser, A. **190**: 114
Hug, H.J., see Abelmann, L. **190**: 135
Hulliger, F., see Oyamada, A. **177/181**: 343
Hulliger, F., see Schoenes, J. **177/181**: 1046
Huo, S., J.E.L. Bishop, J.W. Tucker, W.M. Rainforth and H.A. Davies, Micromagnetics of a square iron platelet containing the junction of four 90° domain walls **177/181**: 227
Huo, S., J.E.L. Bishop, J.W. Tucker, W.M. Rainforth and H.A. Davies, 3-D simulation of Bloch lines in 180° domain walls in thin iron films **177/181**: 229
Huo, S., J.E.L. Bishop, J.W. Tucker, M.A. Al-Khafaji, W.M. Rainforth, H.A. Davies and M.R.J. Gibbs, Micromagnetic and MFM studies of a domain wall in thick {1 1 0} FeSi **190**: 17
Hutchings, J.A., M.F. Thomas, G. Sinclair and P.J. Grundy, Mössbauer investigation of anisotropy in Fe/Cu/NiFe multilayers **177/181**: 1201
Hutchison, W.D., see Prandolini, M.J. **177/181**: 1054
Hutchison, W.D., see Chaplin, D.H. **177/181**: 1353
Huth, M., see Jourdan, M. **177/181**: 431
Hütten, A., see Geoghegan, D.S. **177/181**: 1478
Hwang, D.G., see Kim, C.G. **177/181**: 1301
Hwang, D.G., C.M. Park and S.S. Lee, Exchange biasing in NiO spin valves **186**: 265

Iakubov, I.T., see Antonov, A.S. **187**: 252
Ibarra, M.R. and J.M. De Teresa, Colossal magnetoresistance in manganese oxide perovskites (*Invited paper*) **177/181**: 846
Ibarra, M.R., see Morellon, L. **177/181**: 1085
Ichimura, M. and A. Sakuma, Magnetic and electronic structures of finite-size systems of Fe/Au(n) **177/181**: 1311
Ichinose, K., N. Watanabe, K. Shimizu and H. Ido, NMR study of RCo_3B_2 (R = Y, Sm) **177/181**: 1113
Ichinose, K., see Shimizu, K. **177/181**: 1139
Ichiyanagi, Y., see Kimishima, Y. **177/181**: 547
Ichiyanagi, Y. and Y. Kimishima, Magnetic properties of 2D Ising mesoscopic ferromagnet $Ni(OH)_2$ monolayer nanoclusters **177/181**: 964
Ichiyanagi, Y., see Kimishima, Y. **189**: 62

Ide, Y., T. Goto, K. Kikuchi, K. Watanabe, J. Onagawa, H. Yoshida and J.M. Cadogan, Ultrahigh coercive force in epitaxial Fe–Pt(0 0 1) films **177/181**: 1245

Ido, H., T. Nishioka and M. Kontani, Magnetic properties of $ThMn_{12}$-type $CeCu_4Al_8$ and related Ce-compounds: Heat-treatment effects **177/181**: 385

Ido, H., see Kontani, M. **177/181**: 397

Ido, H., see Ichinose, K. **177/181**: 1113

Ido, H., see Yamada, H. **183**: 94

Idogaki, T., K. Oda, Y. Muraoka and J.W. Tucker, Ground state phase diagrams of spin $S = \frac{5}{2}$ extended ANNNI and BNNNI models **171**: 83

Idogaki, T., see Muraoka, Y. **177/181**: 773

Idogaki, T., see Žukovič, M. **188**: 52

Idzikowski, B., see Kaczmarek, W.A. **177/181**: 912

Idzikowski, B., J. Baszyński, I. Škorvánek, K.-H. Müller and D. Eckert, Microstructure and magnetic properties of amorphous and nanocrystalline $Fe_{80}M_7B_{12}Cu_1$ (M = Nb, Ti or Mo) alloys **177/181**: 941

Idzikowski, B., see Kopcewicz, M. **177/181**: 1434

Iga, F., see Takabatake, T. **177/181**: 277

Iga, F., N. Shimizu and T. Takabatake, Single crystal growth and physical properties of Kondo insulator YbB_{12} **177/181**: 337

Iga, F., see Ohta, H. **177/181**: 341

Iga, F., see Imada, S. **177/181**: 387

Igaki, M., H. Nagamori, T. Shimatsu and M. Takahashi, Magnetic anisotropy and switching field of spindle-shaped metal particles for particulate recording media **183**: 209

Igarashi, J., see Takahashi, M. **177/181**: 1037

Iglesias, J.R., see Davidovich, M.A. **177/181**: 313

Iglesias, J.R., see Coqblin, B. **177/181**: 433

Ihle, D., see Trapper, U. **177/181**: 577

Iida, S., see Nakamura, S. **177/181**: 884

Iijima, M., see Endo, K. **177/181**: 1437

Iio, K., see Kato, T. **177/181**: 591

Iio, K., see Ono, T. **177/181**: 735

Iio, K., see Kato, T. **177/181**: 831

Iio, K., see Mitsui, T. **177/181**: 1466

Ijjaali, I., see Welter, R. **187**: 278

Ikebe, M., H. Fujishiro and H. Iwasaki, Magnetic structure and dipolar interaction in antiferromagnetic superconductor BCT-$ErRh_4B_4$ **177/181**: 549

Ikeda, H., see Aoki, Y. **177/181**: 271

Ikeda, Y., Y. Sonobe, H. Uchida and T. Toyooka, Characterization of a thick Co–Cr perpendicular medium for a merged MR head **176**: 13

Ikekame, H., see Sato, K. **177/181**: 1379

Ikeuchi, Y., H. Ohta, S. Okubo, M. Motokawa and N. Kitamura, Submillimeter wave ESR of $Yb_2Cu_2O_5$ **177/181**: 765

Ikezawa, M., see Pittini, R. **177/181**: 345

Imada, M., see Katoh, N. **177/181**: 675

Imada, S., M. Tsunekawa, T. Iwasaki, S. Suga, Y. Onuki, F. Iga, M. Kasaya, Y. Kawasaki, K. Ishida, Y. Kitaoka and K. Asayama, Photoemission of CeX_2Y_2 and $Ce(Pd_{1-x}Cu_x)_3$ **177/181**: 387

Imai, H., see Shiga, M. **177/181**: 1347

Imai, M., see Oku, T. **188**: 291

Imakawa, M., S. Ishibashi, M. Kuwabara, T. Shimatsu and M. Takahashi, High coercive force and low intergranular coupling in CoCrTa thin-film recording media fabricated under ultra clean sputtering process **182**: 403

Imhoff, D., see Maurice, J.-L. **184**: 1

Inada, Y., see Yoshizawa, M. **177/181**: 305

Inada, Y., see Aoki, D. **177/181**: 365

Inada, Y., M. Hedo, K. Sakurai, E. Yamamoto, Y. Haga, Y. Onuki and S. Takahashi, Quantum oscillation in the superconducting vortex state of $CeRu_2$ **177/181**: 389

Inada, Y., see Suzuki, T. **177/181**: 415

Inagaki, K., see Kimishima, Y. **177/181**: 547

Inagaki, Y., N. Granito, T. Asano, Y. Ajiro and M. Mekata, Magnetic phase transitions in triangular lattice $CsNi_{0.98}Fe_{0.02}C_3$ studied by NMR **177/181**: 723

Inami, T., S. Maegawa and M. Takano, Neutron-diffraction study on Na- and K-jarosites **177/181**: 752

Indinger, A., see Doktor, M. **177/181**: 333

Inerbaev, T.M., see Kholopov, E.V. **185**: 131

Inglesfield, J.E., see Schep, K.M. **177/181**: 1166

Inoue, A., see Peng, D.-L. **184**: 319

Inoue, K., see Hosokoshi, Y. **177/181**: 634

Inoue, K., see Hosokoshi, Y. **177/181**: 713

Inoue, M., see Negishi, H. **185**: 85

Inoue, M., see Kadomatsu, H. **188**: 213

Inutake, R., see Matsuo, A. **177/181**: 909

Iriyama, T., see Ono, Y. **187**: 113

Isa, M., see Kobayashi, N. **177/181**: 875

Isberg, P., see Granberg, P. **186**: 154

Ishibashi, H., see Okuda, K. **177/181**: 1375

Ishibashi, S., see Imakawa, M. **182**: 403

Ishida, K., see Imada, S. **177/181**: 387

Ishida, K., see Kitaoka, Y. **177/181**: 487

Ishida, K., see Thessieu, C. **177/181**: 609

Ishiguchi, K., see Motoya, K. **177/181**: 593

Ishiguro, A., see Isikawa, Y. **177/181**: 391

Ishiguro, A., A. Sawada, M. Suzuki, H. Hiraka, K. Yamada, Y. Endoh and T. Komatsubara, De Haas–van Alphen effect in CoS_2 **177/181**: 1355

Ishii, H., see Nagasima, T. **177/181**: 1008
Ishii, H., see Ohgaki, H. **177/181**: 1010
Ishii, M., see Kohori, Y. **177/181**: 441
Ishikawa, K., see Taguchi, R. **176**: 8
Ishio, S., see Chen, J. **188**: 260
Ishizone, H., see Yoshie, H. **177/181**: 481
Ishizuka, M., M. Terai, S. Endo, M. Hidaka, I. Yamada and O. Shimomura, Pressure-induced magnetic phase transition in the two-dimensional Heisenberg ferromagnet K_2CuF_4 **177/181**: 725
Ishizuka, M., see Endo, S. **177/181**: 1075
Isikawa, Y., T. Kuwai, H. Takagi, T. Mizushima, J. Sakurai, A. Ishiguro, M. Yasumoto, A. Sawada and T. Komatsubara, dHvA effect and magnetoresistance in $CeNi_2Al_5$ **177/181**: 391
Isikawa, Y., see Kuwai, T. **177/181**: 399
Isikawa, Y., see Sakurai, J. **177/181**: 407
Isikawa, Y., see Umehara, I. **177/181**: 1143
Iskakova, L.Yu., see Zubarev, A.Yu. **183**: 201
Isnard, O., P. Vulliet, J.P. Sanchez and D. Fruchart, ^{155}Gd Mössbauer effects studies and magnetic properties of $GdFe_{11}Ti$ and $GdFe_{11}TiH_{1-\delta}$ **189**: 47
Isobe, M. and Y. Ueda, Doping effects in AV_2O_5 (A = Li, Na and Ca) **177/181**: 671
Isobe, M., see Kuroe, H. **177/181**: 679
Isobe, M., see Ueda, Y. **177/181**: 741
Ito, H., see Kuwai, T. **177/181**: 399
Ito, K., see Honda, Y. **176**: 20
Ito, M., H. Yamashita, T. Kawae and K. Takeda, Pressure effect on the Haldane system NENP **177/181**: 673
Ito, T., S. Nishigori, I. Hiromitsu and M. Kurisu, Magnetization process in antiferromagnetic EuPdIn **177/181**: 1079
Itoh, K., see Ban, S. **177/181**: 475
Itoh, K., see Ohkubo, N. **177/181**: 1137
Itoh, K., K. Okamoto and T. Hashimoto, Crystallographic contribution to the formation of the columnar grain structure in cobalt films deposited at oblique incidence **190**: 176
Itoh, M., H. Tanaka and K. Motoya, NMR study of electronic and magnetic properties of $La_{1-x}Sr_xTiO_3$ **177/181**: 583
Itoh, M., see Motoya, K. **177/181**: 593
Itoh, M., see Okubo, S. **177/181**: 1373
Itoh, M., T. Shibata, H. Tanaka, K. Koui, T. Goto, Microscopic observation of the metamagnetic transition in intermetallic compounds $Y_{1-x}Nd_xCo_3$ and $Y_{1-x}Gd_xCo_3$: a ^{59}Co NMR study **190**: 210
Itoh, Y., see Kadomatsu, H. **177/181**: 1117
Itoh, Y., see Kadomatsu, H. **188**: 213
Itoh, Y., see Kadomatsu, H. **189**: 335
Itoi, T., see Kawano, S. **177/181**: 1019
Ivanov, M., see Zabluda, V. **185**: 207
Ivanov, N.B., see Richter, J. **177/181**: 737
Ivanov, V.Yu., see Mukhin, A.A. **183**: 160
Ivanov, Z.G., see Hanson, M. **177/181**: 519
Iwahara, M., see Mukhopadhyay, S.C. **177/181**: 999
Iwamoto, Y., K. Ueda, T. Kohara, A.V. Andreev, L. Havela and V. Sechovsky, NMR and NQR studies of UCoAl with 5f-band metamagnetism **177/181**: 585
Iwamura, H., see Jamali, J.B. **177/181**: 789
Iwasa, K., see Kohgi, M. **177/181**: 307
Iwasa, K., M. Kohgi, N. Nakajima, R. Yoshitake, Y. Hisazaki, H. Osumi, K. Tajima, N. Wakabayashi, Y. Haga, A. Ochiai, T. Suzuki and A. Uesawa, X-ray diffraction studies of lattice properties in CeX (X = P and As) and Yb_4As_3 **177/181**: 393
Iwasa, K., see Takeuchi, T. **177/181**: 463
Iwasaki, H., see Ikebe, M. **177/181**: 549
Iwasaki, K., see Matsukawa, M. **177/181**: 529
Iwasaki, S., see Keitoku, T. **176**: 25
Iwasaki, S., see Kikawada, A. **176**: 66
Iwasaki, T., see Imada, S. **177/181**: 387
Iwata, N., K. Hattori and C.F. Chen, Anomalous magnetic properties of $DyRu_2Si_2$ **173**: 126
Iwata, N., see Kawae, T. **177/181**: 795
Iwata, S., see Fujiwara, Y. **177/181**: 1173
Iwata, S., see Yu, X.Y. **177/181**: 1203
Iwata, S., see Oikawa, S. **177/181**: 1273
Iwata, S., see Kato, T. **177/181**: 1427
Izawa, K., see Takabatake, T. **177/181**: 277
Izawa, K., T. Suzuki, T. Fujita, T. Takabatake, G. Nakamoto, H. Fujii and K. Maezawa, Anomalous field dependence of specific heat of CeNiSn below 1 K **177/181**: 395
Izumi, H., see Arlot, R. **172**: 119

Jablonski, R., see Tomkowicz, Z. **172**: 128
Jabłoński, R., see Maksymowicz, L.J. **177/181**: 1265
Jaccard, D., see Vargoz, E. **177/181**: 294
Jaccard, Y., see Martin, J.I. **177/181**: 915
Jackson, M., G. Short, T. Mendus, S.M. Thompson, E. Ho and J.S.S. Whiting, Microwave spectroscopic studies of obliquely deposited Co/Cr trilayers **177/181**: 1287
Jacobs, J.P., see Anantharaman, M.R. **189**: 83
Jacquinot, J.F., see Le Callonnec, C. **171**: 119
Jaffres, H., see Postava, K. **172**: 199
Jaffres, H., L. Ressier, K. Postava, A. Schuhl, F. Nguyen Van Dau, M. Goiran, J.P. Redoulès, J.P. Peyrade and A.R. Fert, Uniaxial magnetic anisotropy of thin epitaxial Fe films nanostructured by the atomic saw method **184**: 19
Jagatheesan, S., see Anantharaman, M.R. **189**: 83

Jakob, G., F. Martin, W. Westerburg and H. Adrian, Magnetoresistivity and crystal structure of epitaxial $La_{0.67}Ca_{0.33}MnO_3$ films **177/181**: 1247
Jakobs, Ch., see Kleemann, W. **177/181**: 209
Jakubovics, J.P., Recent developments in the application of Lorentz microscopy to the study of thin layered systems **175**: 107
Jakubowicz, J., see Jurczyk, M. **185**: 66
Jamali, J.B., N. Achiwa, K. Mukai, K. Suzuki, Y. Ajiro, K. Matsuda and H. Iwamura, Single-crystal weak ferromagnetism of 1,3,5-triphenyl-6-oxoverdazyl free radical and ferromagnetic behavior of $(TOV)_{1-\delta}(TOV\text{-}H)_\delta$ diluted system **177/181**: 789
Jambrich, C., see El-Hagary, M. **177/181**: 551
James, P., see Liu, H.-p. **189**: 69
James, P.A.B., see Bahaj, A.S. **177/181**: 1453
James, P.A.B., see Bahaj, A.S. **184**: 241
James, R.D., see Schmidt, J. **190**: 98
Jamet, J.P., see Kirilyuk, A. **171**: 45
Jamet, J.P., see Ferré, J. **174**: 77
Jamet, J.P., B. Bartenlian, N. Bardou, P. Meyer, F. Rousseaux, D. Decanini, P. Veillet, S. Lemerle, J. Ferré and C. Chappert, Magneto-optical study of the magnetization reversal dynamics of dot arrays patterned in Au/Co(5 ML)/Au films with perpendicular anisotropy **175**: 125
Jana, J., see Ghosh, M. **182**: 359
Jana, S., see Ghosh, M. **182**: 359
Jana, S., D. Ghosh and B.M. Wanklyn, Magnetic susceptibilities and anisotropy studies of holmium pyrogermanate ($Ho_2Ge_2O_7$) crystal **183**: 135
Jana, S., see Das, K. **189**: 310
Jandl, S., see Nekvasil, V. **177/181**: 535
Janssen, Y., E. Brück, C.H. de Groot, F.E. Kayzel, F.R. de Boer, K.H.J. Buschow, O. Oleksyn and P. Schobinger-Papamantellos, Low-temperature magnetisation and specific heat in antiferromagnetic rare-earth germanides of the type R_3Ge_4 **177/181**: 1147
Japa, E., see Cottenier, S. **177/181**: 1083
Japiassú, G.M., see Tovar Costa, M.V. **177/181**: 331
Jardine, D.B., see Hall, M.J. **173**: 253
Jardón, C., see Hueso, L.E. **189**: 321
Jartych, E., J.K. Zurawicz, D. Oleszak, M. Pękała, J. Sarzyński and M. Budzyński, Magnetic properties and structure of nanocrystalline $Fe_{70}Al_{30}$ alloy prepared by mechanosynthesis **186**: 299
Jaswal, S.S., see Sabiryanov, R.F. **177/181**: 989
Javorský, P., V. Sechovský, L. Havela and H. Michor, Magnetic behaviour of PrCuAl and NdCuAl **177/181**: 1052
Javorský, P., H. Nakotte, R.A. Robinson and T.M. Kelley, Crystal field in ErNiAl studied by inelastic neutron scattering **186**: 373
Jayakumar, T., see Moorthy, V. **171**: 179
Jędrzejczak, A., see Łazarczyk, P. **176**: 233
Jedryka, E., M. Wojcik, S. Nadolski, D.J. Kubinski and H. Holloway, Discontinuous Co layer in Co/Cu multilayers at the first antiferromagnetic maximum **177/181**: 1183
Jegoudez, J., see Monod, P. **177/181**: 739
Jeitschko, W., see Hartjes, K. **173**: 109
Jeitschko, W., see Reehuis, M. **177/181**: 805
Jen, S.U., J.Y. Huang and C.T. Wei, Transport and magnetic properties of $Co_{35}Pd_{65}$ films **174**: 33
Jen, S.U., C.C. Liao and J.C. Lee, Anisotropic magnetoresistance and electrical resistivity of $Co_{1-\delta}Ni_{3+\delta}$. I. Single-crystal samples **188**: 367
Jen, S.U., C.C. Liao and J.C. Lee, Anisotropic magnetoresistance and electrical resistivity of $Co_{1-\delta}Ni_{3+\delta}$. II. Polycrystalline samples **188**: 373
Jendrzejewska, I., T. Mydlarz, I. Okońska-Kozłowska and J. Heimann, Magnetic properties of single crystals $Cu_xZn_yCr_2Se_4$ **186**: 381
Jenkins, A.C. and P. Strange, Applications of the SPRKKR-CPA to the calculation of magnetic X-ray circular dichroism spectra in transition-metal alloys **177/181**: 1039
Jensen, M.R.F., S.A. Feiven, T.J. Parker and R.E. Camley, Far-infrared magneto-spectroscopy of bulk and surface magnetic excitations in FeF_2 **177/181**: 835
Jesus, C.M., see Pereira de Azevedo, M.M. **173**: 230
Jezierski, A., see Kowalczyk, A. **182**: 137
Jezierski, A., see Ślebarski, A. **185**: 43
Jezierski, A., see Kowalczyk, A. **188**: 361
Jezierski, A., see Kowalczyk, A. **190**: 205
Ji, W., see Du, J. **177/181**: 1209
Ji, W., see Tong, L.N. **177/181**: 1211
Jia, Y.X., see Gordon, J.E. **177/181**: 856
Jiang, E.Y., see Wang, H.Y. **176**: 159
Jiang, E.Y., see Wang, H.Y. **177/181**: 1285
Jiang, H., see Yao, Z.-Y. **177/181**: 1291
Jiang, K.Y., see Yang, X.L. **175**: 285
Jiang, Q., H.-X. Cao and Z.-y. Li, Effects of anisotropy on the thermodynamic properties of an $S = 1$ Heisenberg chain **187**: 393
Jiang, S.S., see Kang, S.S. **177/181**: 1313
Jiang, S.S., see Kang, S.S. **187**: 154
Jiang, Z.-H., see Li, M. **176**: 331
Jiang, Z.S., see Yang, W. **177/181**: 1289
Jiles, D.C., see Govindaraju, M. **177/181**: 207
Jiles, D.C., see Shi, Y.M. **187**: 75
Jiles, D.C., see Fang, X. **187**: 79
Jin, G.J., see Kang, S.S. **177/181**: 1313
Jin, G.J., see Kang, S.S. **187**: 154
Jin, H.-m., see Kim, Y.B. **173**: 93
Jin, H.-M., see Kim, Y.B. **189**: 241

Jin, H.-M., see Kim, Y.B. **189**: 251
Jin, Han-min, see Kim, Y.B. **182**: 55
Jin, X.M., see Tang, S.L. **187**: 366
Jin, X.M., see Tang, S.L. **188**: 387
Jin, X.M., see Tang, S.L. **189**: 202
Jin, X.M., see Tang, S.L. **189**: 341
Jin, Z., W. Tang, H. Qin, J. Zhang and Y. Du, Evaluation of exchange interactions in $(Gd_xY_{1-x})_3Co_{11}B_4$ compounds **177/181**: 1115
Jin, Z., W. Tang, J. Zhang, H. Lin and Y. Du, Magnetic properties of isotropic $SrFe_{12}O_{19}$ fine particles prepared by mechanical alloying **182**: 231
Jin, Z.-Q., see Tang, W. **184**: 209
Jin, Z.-Q., see Tang, W. **185**: 241
Jin, Z., W. Tang, J. Zhang and Y. Du, Giant magnetoresistance in mechanical alloyed $La_{0.7}Sr_{0.06}Ca_{0.24}MnO_3$ perovskite **187**: 237
Jin, Z.Q., W. Tang, J.R. Zhang, L.Y. Lu, S.L. Tang and Y.W. Du, Nitriding behavior of nanocrystalline $NdFe_{10.5}VTi_{0.5}$ compounds **185**: 71
Jin, Z.Q., see Tang, W. **186**: 115
Jin, Z.Q., W. Tang, J.R. Zhang, L.Y. Lu, S.L. Tang and Y.W. Du, Structural and magnetic properties of $PrFe_{10}Mo_2N_y$ prepared by hydrogenation–disproportionation–desorption–recombination and nitrogenation processes **187**: 231
Jirák, Z., see Damay, F. **190**: 221
Johansson, B., see Delin A. **177/181**: 373
Johansson, C., M. Hanson, M.S. Pedersen and S. Mørup, Magnetic properties of magnetic liquids with iron-oxide particles – the influence of anisotropy and interactions **173**: 5
Johansson, C., see Hanson, M. **177/181**: 519
Johnson, D.D., see Ling, M.F. **177/181**: 1399
Johnston, D.C., see Merrin, J. **177/181**: 799
Jolivet, J.P., see Dormann, J.L. **183**: L255
Jolivet, J.P., see Dormann, J.L. **187**: L139
Jones, G.A., C.A. Faunce, D. Ravinder, H.J. Blythe and V.M. Fedosyuk, An investigation of the structural and magnetic properties of electrodeposited Co_xRe_{100-x} films **184**: 28
Jones, M. and J.J. Miles, An accurate and efficient 3-D micromagnetic simulation of metal evaporated tape **171**: 190
Jonsson, G.T., see Bødker, F. **177/181**: 925
Jordan, S.M. and C. Prados, New technique to measure magnetic anisotropy using the vectorial magneto-optic Kerr effect **172**: 69
Jourdan, M., M. Huth, S. Mouloud and H. Adrian, Tunneling junctions of the heavy-fermion superconductor UPd_2Al_3 **177/181**: 431
Joyce, D.E., see Tatnall, C.J. **177/181**: 1181
Julian, S.R., F.V. Carter, F.M. Grosche, R.K.W. Haselwimmer, S.J. Lister, N.D. Mathur, G.J. McMullan, C. Pfleiderer, S.S. Saxena, I.R. Walker, N.J.W. Wilson and G.G. Lonzarich, Non-Fermi-liquid behaviour in magnetic d- and f-electron systems (*Invited paper*) **177/181**: 265
Jurczyk, M. and J. Jakubowicz, Nanocomposite $Nd_2(Fe,Co,Cr)_{14}B/\alpha$-Fe materials **185**: 66

Kaburagi, M. and T. Tonegawa, Excitation spectra of the spin-1 antiferromagnetic Heisenberg chain **177/181**: 636
Kaburagi, M., see Tonegawa, T. **177/181**: 647
Kachkachi, H., P. Kornilovitch, Y. Meurdesoif, J.-C. Grenier and F. Zhou, Magnetic and thermodynamic properties of $Sr_2LaFe_3O_9$ **172**: 173
Kaczkowski, Z., G. Vlasák, P. Duhaj and P. Ruuskanen, Heat-treatment dependences of magnetostriction, magnetomechanical coupling and structure of $Fe_{73.5}Cu_1Nb_3Si_{13.5}B_9$ alloy **185**: 112
Kaczkowski, Z., L. Lanotte, M. Müller and P. Ruuskanen, Heat-treatment dependence of the elasticity moduli and structure of $Fe_{73.5}Cu_1W_3Si_{15.5}B_7$ alloy **185**: 109
Kaczkowski, Z., P. Ruuskanen, M. Müller and L. Lanotte, Influence of annealing in vacuum on magnetostriction, magnetomechanical and structural properties of $Fe_{73.5}Cu_1Ta_3Si_{15.5}B_7$ alloy **185**: 115
Kaczmarek, W.A., B. Idzikowski and K.-H. Müller, XRD and VSM study of ball-milled $SrFe_{12}O_{19}$ powder **177/181**: 921
Kaczmarek, W.A., see Wu, E. **177/181**: 255
Kaczmarska, K., J. Pierre, J. Beille, J. Tobola, R.V. Skolozdra and G.A. Melnik, Physical properties of the weak itinerant ferromagnet CoVSb and related semi-Heusler compounds **187**: 210
Kaczorowski, D., see Hauser, R. **177/181**: 292
Kadau, K., see Entel, P. **177/181**: 1409
Kadolkar, C.Y., N. Goveas, D.K. Ghosh and S. Murthy, Haldane gap in $S = 2$ XXZ quantum antiferromagnet **177/181**: 638
Kadomatsu, H., see Tsutaoka, T. **177/181**: 1141
Kadomatsu, H., Y. Itoh, H. Fukuda, T. Tsutaoka and T. Tokunaga, Transport properties of Nd_7Ni_3 **177/181**: 1117
Kadomatsu, H., see Negishi, H. **185**: 85
Kadomatsu, H., Y. Itoh, K. Umeo, N. Matsumoto and M. Inoue, Transport properties of heavy fermion compound Ce_7Ni_3 **188**: 213
Kadomatsu, H., K. Kuwano, K. Umeo, Y. Itoh and T. Tokunaga, Magnetic and electrical properties of R_7Pd_3 (R = La, Ce, Pr, Nd and Sm) **189**: 335

Kadomtseva, A.M., see Mukhin, A.A. **183**: 160
Kadomtseva, A.M., see Popov, Y.F. **188**: 237
Kahn, O., see Sutter, J.P. **171**: 147
Kai, T., Y. Ohashi and K. Shiiki, Study of giant magnetoresistance in Co/X superlattices (X = Cu, Ru, Rh and Pd) by first-principle band calculation **183**: 292
Kaiser, H., see Sonntag, P. **183**: 5
Kajitani, T., see Ono, Y. **187**: 113
Kakatkar, S.V., see Sankpal, A.M. **186**: 349
Kakazei, G.N., see Golub, V.O. **174**: 95
Kakehashi, Y., S. Akbar and N. Kimura, Molecular dynamics theory of complex magnetic structures in itinerant magnets **177/181**: 573
Kakizaki, K., N. Hiratsuka and T. Namikawa, Fine structure of acicular $BaCo_XTi_X Fe_{12-2X}O_{19}$ particles and their magnetic properties **176**: 36
Kakizaki, K., see Hiratsuka, N. **176**: 31
Kakuno, K., K. Takashina, S. Masuda, Y. Takemura and T. Yamada, Extraordinary MR effect induced in a non-magnetic metal layer formed on a surface of ferromagnetic metal layers **177/181**: 1249
Kakuno, K., see Takemura, Y. **177/181**: 1319
Kakurai, K., see Matsuoka, Y. **177/181**: 729
Kakurai, K., see Okumura, H. **177/181**: 405
Kakurai, K., see Ono, T. **177/181**: 735
Kakurai, K., see Shigeoka, T. **177/181**: 1093
Kalinowski, R., see Baczewski, L.T. **177/181**: 1305
Kallias, G., see Simopoulos, A. **177/181**: 860
Kalogirou, O., see Speliotis, A. **187**: 17
Kamarád, J., see Cuong, T.D. **177/181**: 597
Kamarád, J., see Morellon, L. **177/181**: 1085
Kamarád, J., see Cuong, T.D. **182**: 143
Kambe, T., see Takatsu, K. **177/181**: 697
Kamberský, V., see Wenzel, L. **175**: 205
Kamberský, V., L. Wenzel and A. Hubert, Magneto-optical interference and diffraction in isotropic and uniaxial multilayers **189**: 149
Kamegawa, A., see Shima, T. **177/181**: 911
Kamigaki, K., see Maki, K. **177/181**: 1361
Kamimori, T., K. Koyama, Y. Mori, M. Asano, K. Kinoshita, J. Mochimaru, K. Konishi and H. Tange, Preferential site occupation of M atoms and the Curie temperature in $Y_2Fe_{17-x}M_x$ (M = Al, Si, Ga) **177/181**: 1119
Kamishima, K., see Kanomata, T. **177/181**: 589
Kamishima, K., see Asano, T. **177/181**: 640
Kamishima, K., see Shiramura, W. **177/181**: 693
Kamishima, K., T. Goto, T. Kanomata and M.I. Bartashevich, Magnetic properties of Mn_3(Ga, Al)C under high magnetic field and high pressure **177/181**: 587
Kamishima, K., see Markosyan, A.S. **185**: 235
Kamishima, T., see Sato, K. **177/181**: 1381
Kanashiro, T., see Kishimoto, Y. **177/181**: 367
Kanekiyo, H., see Uehara, M. **177/181**: 997
Kaneko, F., see Hoshi, Y. **177/181**: 241
Kaneko, N., see Mitsudo, S. **177/181**: 877
Kaneko, T., see Kanomata, T. **177/181**: 589
Kaneko, T., see Nakama, T. **177/181**: 425
Kaneko, T., see Sato, K. **177/181**: 1381
Kaneko, T., see Maki, K. **177/181**: 1361
Kaneko, Y., see Yoshida, H. **177/181**: 1449
Kanemaru, M., see Muraoka, Y. **177/181**: 773
Kanematsu, K., see Ban, S. **177/181**: 475
Kanematsu, K., see Shiraishi, H. **177/181**: 1417
Kanematsu, K., see Ohkubo, N. **177/181**: 1137
Kang, J.-S., S.K. Kwon and B.I. Min, Valence band photoemission study of Co_xPd_{100-x} alloy films **177/181**: 1033
Kang, J.S., see Yang, C.J. **188**: 100
Kang, S.S., G.J. Jin, X.S. Wu, M. Lu, A. Hu, S.S. Jiang and H.R. Zhai, Ferromagnetic-resonance studies of Ni/Cr multilayers **177/181**: 1313
Kang, S.S., X.Y. Liu, X.H. Xiang, G.J. Jin, J.H. Du, M. Lu, M. Wang, Y.X. Sui, A. Hu, S.S. Jiang, D. Feng, J.W. Feng and H. Xia, Growth-induced magnetic anisotropy behavior in Ni thin films **187**: 154
Kanno, R., see Arioka, T. **177/181**: 653
Kanoda, K., see Akioka, K. **177/181**: 746
Kanomata, T., see Kamishima, K. **177/181**: 587
Kanomata, T., see Sato, K. **177/181**: 1381
Kanomata, T., see Goto, T. **177/181**: 1421
Kanomata, T., Y. Sugawara, K. Kamishima, H. Mitamura, T. Goto, S. Ohta and T. Kaneko, Pressure effect on spontaneous magnetization of Cr_2Te_3 and Cr_5Te_8 **177/181**: 589
Kapitulnik, A., see Klein, L. **188**: 319
Kappler, J.P., see Garreau, G. **184**: 289
Kapusta, Cz., I.S. Oliveira, P.C. Riedi, E. Gratz, G. Wiesinger, H. Figiel and A.P. Guimarães, A nuclear magnetic resonance study of $SmCo_2$ **177/181**: 1121
Kapusta, Cz., see Tomka, G.J. **177/181**: 821
Karahan, I.H., see Bakkaloğlu, Ö.F. **190**: 193
Karasawa, Y., see Matsuoka, Y. **177/181**: 729
Karl, W.J., see Ali, M. **190**: 199
Karpinski, J., see Wisniewski, A. **177/181**: 499
Kasaya, M., see Yoshii, S. **177/181**: 427
Kasaya, M., see Imada, S. **177/181**: 387
Kasaya, M., see Ohta, H. **177/181**: 341
Kasaya, M., see Kumigashira, H. **177/181**: 1035
Kasuya, T. and D.X. Li, Physics of magnetic impurity states in Gd monopnictides **171**: 251
Kasuya, T., Exchange-pair Jahn–Teller effects in GdB_6 **174**: L28
Kasuya, T. and D.X. Li, Mechanisms for anomalous magnetic orderings in Yb monopnictides **174**: L21
Kataev, V., see Hücker, M. **177/181**: 539

Katayama, T., N. Nakajima, N. Okusawa, Y. Miyauchi, T. Koide, T. Shidara, Y. Suzuki and S. Yuasa, Magneto-optical Kerr spectra of epitaxially grown Fe (0 0 1) and (1 1 0) films in the range 1.5–10 eV **177/181**: 1251
Katayama, T., see Yuasa, S. **177/181**: 1296
Katayama, Y., see Aoki, D. **177/181**: 365
Katayama-Yoshida, H., see Tanaka, H. **177/181**: 1468
Kato, H., see Hori, T. **177/181**: 1423
Kato, H., see Shiraishi, H. **177/181**: 1417
Kato, H., see Ono, Y. **187**: 113
Kato, H., N. Kurita, Y. Ando, T. Miyazaki and M. Motokawa, Magnetic properties of random-anisotropy amorphous magnets $(R_xFe_{1-x})_{80}Si_{12}B_8$ with R = Pr, Nd, Sm, Tb, Dy and Er **189**: 263
Kato, K., see Hoshi, Y. **177/181**: 241
Kato, T., K. Hondou and K. Iio, Magnetism of the Ni^{2+} kagome lattice in $Rb_2Ni_3S_4$ **177/181**: 591
Kato, T., S. Iwata, M. Yasui, K. Fukawa and S. Tsunashima, Magneto-optical spectra of $(Mn_{1-x}M_x)Pt_3$ (M = Fe, Co) ordered alloy films **177/181**: 1427
Kato, T., see Ono, T. **177/181**: 735
Kato, T., see Mitsui, T. **177/181**: 1466
Kato, T., T. Nishino, K. Morishita, H. Tanaka and K. Iio, Birefringence study of magnetic ordering in the distorted triangular lattice antiferromagnet $RbFeBr_3$ **177/181**: 831
Kato, Y., see Tang, J. **177/181**: 1363
Katoh, K., see Takabatake, T. **177/181**: 277
Katoh, K., see Ekino, T. **177/181**: 379
Katoh, N. and M. Imada, Mechanisms of spin-gap formation due to orbital order for CaV_4O_9 **177/181**: 675
Katsumata, K., see Asano, T. **177/181**: 640
Katsumata, K., see Matsuda, M. **177/181**: 683
Katsumata, K., see Yamaguchi, H. **177/181**: 750
Katsumata, K., see Yamazaki, H. **177/181**: 1207
Katsumata, K., Z. Honda, H. Aruga Katori, T. Manabe, H. Shimizu and M. Yamashita, Field-induced long-range-ordering in the $S = 1$ quasi-one-dimensional Heisenberg antiferromagnet $Ni(C_5H_{14}N_2)_2N_3(ClO_4)$ **177/181**: 626
Katsuyama, S., see Nagai, H. **177/181**: 1131
Kaul, S.N., see Sambasiva Rao, M. **171**: 341
Kawae, T., H. Sakita, M. Hitaka, K. Takeda, T. Sigeoka and N. Iwata, Magnetic phase diagram of $TbRu_2Si_2$ **177/181**: 795
Kawae, T., see Ito, M. **177/181**: 673
Kawae, T., see Mito, M. **177/181**: 801
Kawae, T., see Takeda, K. **177/181**: 817
Kawaguchi, K., M. Sohma, Y. Oosawa and T. Manago, ^{151}Eu and ^{57}Fe Mössbauer and magnetization study on EuO_x/Fe multilayered films **177/181**: 1186
Kawaguchi, K., see Manago, T. **177/181**: 1191
Kawakami, M., NMR study of the low-moment state of manganese impurity in ferromagnetic cobalt **177/181**: 1429
Kawakami, T., see Tanaka, N. **177/181**: 1387
Kawakami, T., see Takagaki, M. **177/181**: 1385
Kawamata, S., see Okuda, K. **177/181**: 1375
Kawano, S., see Andoh, Y. **177/181**: 1063
Kawano, S., T. Itoi, T. Hirooka and N. Yamamoto, Magnetic structures and magnetic phase diagram of Er–Y alloy single crystals **177/181**: 1019
Kawano, S., Y. Andoh and M. Kurisu, Magnetic structure of rare-earth intermetallic compound, DyNiSn **182**: 393
Kawarazaki, S., see Takeuchi, T. **177/181**: 1081
Kawasaki, K., see Kurata, S. **177/181**: 715
Kawasaki, K., see Kouzuki, A. **177/181**: 643
Kawasaki, K., see Kubota, M. **177/181**: 842
Kawasaki, T., see Motoya, K. **177/181**: 593
Kawasaki, Y., see Imada, S. **177/181**: 387
Kawawake, Y., see Sakakima, H. **184**: 49
Kawazoe, Y., see Wang, Q. **184**: 106
Kawazoe, Yoshiyuki, see Wang, Jian-Tao **183**: 42
Kayzel, F.E., see Janssen, Y. **177/181**: 1147
Kechrakos, D. and K.N. Trohidou, Effects of dipolar interactions on the magnetic properties of granular solids **177/181**: 943
Keiter, H. and S. Kilić, Unusual perturbation methods for strongly correlated electron systems **177/181**: 323
Keitoku, T., J. Ariake, N. Honda, K. Ouchi and S. Iwasaki, Addition of third elements to Co–Cr media **176**: 25
Keizer, R.J., see de Visser, A. **177/181**: 435
Keizer, R.J., see de Visser, A. **177/181**: 287
Kelemen, M.T., see Rösch, P. **177/181**: 1071
Kelemen, M.T., P. Rösch, E. Dormann and K.H.J. Buschow, The magnetic phase diagram of $Gd_xY_{1-x}Mn_6Ge_6$ **188**: 195
Kelemen, M.T., see Pilawa, B. **177/181**: 748
Keller, H., see Ager, C. **177/181**: 561
Keller, H., see Lee, S.L. **177/181**: 523
Keller, N., see Krishnan, R. **174**: L17
Keller, N., S.A.J. Wiegers, J.A.A.J. Perenboom, A. de Visser, A.A. Menovsky and J.J.M. Franse, Fermi surface and heavy quasi-particles of URu_2Si_2 **177/181**: 298
Keller, R. and E. Schmidbauer, Rotational hysteresis and magnetization of elongated Fe-doped CrO_2 particles **187**: 160
Kelley, T.M., see Javorský, P. **186**: 373
Kelly, P.J., see van Hoof, J.B.A.N. **177/181**: 188
Kelly, P.J., see Schep, K.M. **177/181**: 1166
Kennedy, E.C., see Coffey, W.T. **173**: L219
Kennedy, S.J., see Hofmann, M. **176**: 279
Kennedy, S.J., see Harker, S.J. **183**: 101
Kes, P.H., see Cabral, L.R.E. **177/181**: 513

Kessler, Ya.A., see Warczewski, J. **175**: 299
Khalifeh, J., $c(2 \times 2)$ and $p(1 \times 1)$ magnetic order of Cr/Pd(0 0 1) **185**: 213
Khan, F.A., M.A. Asgar and P. Nordblad, Magnetization and magnetocrystalline anisotropy of Ni–Mo single crystal alloys **174**: 121
Khan, H.R., A. Granovsky, M. Prudnikova, V. Prudnikov, F. Brouers, A. Vedyayev and A. Radkovskaya, Positive transverse magnetoresistance, magnetic and structural properties of $Co_{(100-x)}(CuO)_x$ ($10 \leqslant x \leqslant 70$ wt%) composites **183**: 379
Khan, H.R., A. Granovsky, F. Brouers, E. Ganshina, J.P. Clerc and M. Kuzmichev, Magneto-optical spectra of ferromagnetic composites $Co_x(CuO)_{1-x}$ **183**: 127
Khan, H.R., see Pohorilyi, A.N. **186**: 87
Khlybov, E.P., T. Palewski, K.A. Nenkov and J. Warchulska, The magnetic properties of some Al–Sr–Ln–O cuprates **188**: 219
Kholopov, E.V. and T.M. Inerbaev, Mean-field peculiarities of the phase transitions driven by a dipolar interaction **185**: 131
Khomeriki, R., see Giorgadze, N. **186**: 239
Khuong, L.V.D., see Thang, P.D. **177/181**: 1099
Kido, G., see Takehana, K. **177/181**: 699
Kido, G., see Abe, H. **177/181**: 479
Kido, G., see Kou, X.C. **177/181**: 1002
Kikawada, A., N. Honda, K. Ouchi and S. Iwasaki, Inter-track interference free coding and equalization **176**: 66
Kikuchi, H., see Okubo, S. **177/181**: 763
Kikuchi, H., see Mekata, M. **177/181**: 731
Kikuchi, H., see Hayashi, S. **177/181**: 667
Kikuchi, K., see Ide, Y. **177/181**: 1245
Kilcoyne, S.H. and A. Gorisek, Magnetic properties of iron dextran **177/181**: 1457
Kilcoyne, S.H., see Stewart, J.R. **177/181**: 602
Kilić, S., see Keiter, H. **177/181**: 323
Kilic, A., see Öner, Y. **185**: 305
Kim, C.G., H.C. Kim, D.G. Hwang, S.S. Lee and C.M. Park, Current aging effect on anisotropic magnetoresistance in NiO spin valves **177/181**: 1301
Kim, C.S., S.W. Lee, S.Y. An and S.I. Park, Mössbauer studies of $NdFe_{10.7}Ti_{1.3}N_\delta$ **177/181**: 993
Kim, C.S., see Lee, J.-G. **177/181**: 900
Kim, C.S., see Pohorilyi, A.N. **186**: 87
Kim, D.H. and G.C. Hadjipanayis, Magnetic properties of melt-spun $Sm_{2+\gamma}(Co_{0.8}Fe_{0.1}Mn_{0.1})_{17}B_X$ alloys **190**: 240
Kim, D.H., Y. Zhang and G.C. Hadjipanayis, Magnetic properties of Sm–Co–B-based nanocomposite magnets **190**: 302
Kim, D.J. and I. Yoshida, Similarity of the roles of phonons and spin waves in an itinerant electron ferromagnet **173**: 266
Kim, H.-D., see Kumigashira, H. **177/181**: 1035
Kim, H.-D., see Takahashi, T. **177/181**: 1027
Kim, H.-S., Y.-W. Oh, J.-S. Song and B.-K. Min, The properties of Cu films for micromagnetic devices **177/181**: 907
Kim, H.C., see Kim, C.G. **177/181**: 1301
Kim, H.J., see Lim, S.H. **189**: 1
Kim, H.T., Q.F. Xiao, Z.D. Zhang, D.Y. Geng, Y.B. Kim, T.K. Kim and H.M. Kwon, Phases of melt-spun $Sm_{1-x}Fe_{7+x}$ alloys and magnetic properties of their nitrides **173**: 295
Kim, K.-C., see Kwon, C. **172**: 229
Kim, K.-S., S.-C. Yu, V. Ström and K.V. Rao, Superconductivity of rapidly quenched $YC(NiB)_x$ ($x = 2.3,4$) borocarbides **177/181**: 553
Kim, K.-S., S.-C. Yu, Y.-M. Moon and K.V. Rao, Magnetization study of glassy and nanocrystalline $Fe_{82}(Zr, Hf, Nb)_7B_{10}Cu_1$ alloys **177/181**: 968
Kim, M., L. Zhong, X. Wang and A.J. Freeman, Orientational and thickness dependence of interfacial magnetocrystalline anisotropy in Co/Cu superlattices **186**: 277
Kim, S., see Lederman, D. **183**: 261
Kim, S.W., see Yang, C.J. **188**: 100
Kim, T.H., see Song, Y.Y. **177/181**: 257
Kim, T.K., see Kim, H.T. **173**: 295
Kim, W.T., S.C. Yu and S.H. Lim, Microstructure and magnetic properties of melt-spun $(Tb_{0.33}Fe_{0.67})_{1-x}B_x$ alloys **177/181**: 1123
Kim, W.T., see Song, Y.Y. **177/181**: 257
Kim, Y.B. and H.-m. Jin, Determination of spin reorientation angle of cone anisotropic material from magnetization curves of magnetically aligned powders **173**: 93
Kim, Y.B., see Kim, H.T. **173**: 295
Kim, Y.B. and Han-min Jin, A graphical method to determine high-order anisotropy constants of uniaxial anisotropic material from single-crystal magnetization curves **182**: 55
Kim, Y.B. and H.-M. Jin, Determination of the first anisotropy constant of uniaxial anisotropic material from initial susceptibility of magnetization hard direction **189**: 241
Kim, Y.B. and H.-M. Jin, Sublattice anisotropy constants of $Dy_2Fe_{14}B$ and $Tb_2Fe_{14}B$ at 4.2 K **189**: 251
Kimishima, Y., K. Inagaki, K. Tanabe, N. Nagata and Y. Ichiyanagi, AC magnetic susceptibility of Bi2223-system **177/181**: 547
Kimishima, Y., see Ichiyanagi, Y. **177/181**: 964
Kimishima, Y. and Y. Ichiyanagi, Magnetic susceptibility of $Ni(OH)_2$ monolayer nanoclusters **189**: 62
Kimura, H., see Matsuura, M. **177/181**: 1365
Kimura, N., see Kakehashi, Y. **177/181**: 573

Kimura, N., see Haga, Y. **177/181**: 437
Kimura, S., D.X. Li, Y. Haga and T. Suzuki, Magnetic field dependence of low-energy excitation of GdAs **177/181**: 351
Kimura, S., H. Ohta, M. Motokawa, T. Yokoo and J. Akimitsu, ESR study of Haldane system Y_2BaNiO_5 in submillimeter wave region **177/181**: 624
Kimura, S., see Hayashi, S. **177/181**: 667
Kimura, S., see Okubo, S. **177/181**: 1373
Kimura, S., Y. Ufuktepe, K.G. Nath, T. Kinoshita, H. Kumigashira, T. Takahashi, T. Matsumura, T. Suzuki, H. Ogasawara and A. Kotani, 4d–4f and 3d–4f resonant photoemission of TmX (X = S, Se, Te) **177/181**: 349
Kindo, K., see Sato, R. **177/181**: 645
Kindo, K., see Narumi, Y. **177/181**: 685
Kindo, K., see Sugiyama, K. **177/181**: 361
Kindo, K., see Oki, A. **177/181**: 1089
King, J.P., J.N. Chapman and J.C.S. Kools, Magnetisation reversal mechanisms of FeMn-biased spin-valves as a function of interlayer coupling strength and field orientation **177/181**: 896
King, P.J.C., see Harris, M.J. **177/181**: 757
Kino, Y., F.P. Okamura, K. Yamamoto and K. Siratori, An observation of localized 3d electron density distribution of Fe_3O_4 **177/181**: 243
Kinoshita, K., see Kamimori, T. **177/181**: 1119
Kinoshita, M., see Mito, M. **177/181**: 801
Kinoshita, T., see Kimura, S. **177/181**: 349
Kinoshita, T., see Nozaki, Y. **177/181**: 1271
Kioussis, N., A.N. Kocharian and S. Park, One-dimensional Hubbard model in the presence of magnetic field **177/181**: 575
Király, R., see Udvardi, L. **183**: 283
Kirchner, A., see Gutfleisch, O. **183**: 359
Kirilyuk, A., J. Ferré, V. Grolier, J.P. Jamet and D. Renard, Magnetization reversal in ultrathin ferromagnetic films with perpendicular anisotropy **171**: 45
Kirk, K.J., see Schrefl, T. **175**: 193
Kirschman, R., see Gregg, J. **175**: 1
Kirschner, J., see Zharnikov, M. **174**: 40
Kirschner, J., see Sander, D. **177/181**: 1299
Kishan, P., see Kumar, N. **184**: 355
Kishimoto, Y., T. Ohno, T. Kanashiro, T. Taki, K. Nakamura, T. Hihara, K. Sumiyama and K. Suzuki, ^{51}V Knight shift in the superconducting state of V_3Si **177/181**: 367
Kisker, E., see Knabben, D. **190**: 349
Kisker, H., see Abarra, E.N. **175**: 148
Kislinski, Yu., see Hanson, M. **177/181**: 519
Kitagawa, I. and N. Suzuki, First-principles calculations of magnetocrystalline anisotropy and orbital moments in YCo_4B **177/181**: 1357
Kitagawa, I., see Shirai, M. **177/181**: 1383
Kitagawa, I., see Yamada, H. **183**: 94
Kitagawa, M., see Sekizawa, K. **177/181**: 541
Kitaichi, H., see Yoshizawa, M. **177/181**: 305
Kitakami, O., see Sakurai, T. **173**: 185
Kitamura, K., see Goto, T. **177/181**: 663
Kitamura, N., see Ikeuchi, Y. **177/181**: 765
Kitamura, N., see Arioka, T. **177/181**: 653
Kitamura, N., see Okubo, S. **177/181**: 763
Kitaoka, Y., K. Magishi, S. Matsumoto, K. Ishida, S. Ohsugi, K. Asayama, M. Uehara, T. Nagata and J. Akimitsu, Systematic NMR studies of high-T_c and two-leg spin-ladder systems (*Invited paper*) **177/181**: 487
Kitaoka, Y., see Imada, S. **177/181**: 387
Kitaoka, Y., see Azuma, M. **177/181**: 655
Kitaoka, Y., see Thessieu, C. **177/181**: 609
Kitazawa, H., see Abe, H. **177/181**: 479
Kitazawa, H., see Kou, X.C. **177/181**: 1002
Klaasse, J.C.P., see Tung, L.D. **177/181**: 477
Klauß, H.-H., see Wagener, W. **177/181**: 545
Klautau, A.B., P.R. Peduto and S. Frota-Pessôa, Magnetism of Fe impurities and adatoms on Pd(0 0 1) surfaces **186**: 223
Kleemann, W., see Petracic, O. **175**: 272
Kleemann, W., Ch. Jakobs, Ch. Binek and D.P. Belanger, Kinetics of random-field-induced domains in the two-dimensional Ising antiferromagnet $Rb_2Co_{0.85}Mg_{0.15}F_4$ **177/181**: 209
Klein, L., A.F. Marshall, J.W. Reiner, C.H. Ahn, T.H. Geballe, M.R. Beasley and A. Kapitulnik, Large magnetoresistance of single-crystal films of ferromagnetic $SrRuO_3$ **188**: 319
Kleinschroth, I., see Zhang, Jun-xian **183**: 111
Kletowski, Z., see Aoki, D. **177/181**: 365
Kletowski, Z. and P. Sławiński, Quadrupole scattering in magnetoresistivity of $PrPb_3$ **182**: 389
Kletowski, Z., High field magnetoresistance of some $REIn_3$ compounds, RE = La, Ce, Pr and Sm **186**: L7
Klik, I., see Chang, C.R. **177/181**: 903
Klik, I., see Lo, C.K. **177/181**: 1257
Klik, I. and Y.D. Yao, Eigenvalue spectrum of Brown's Fokker–Planck equation for coherent rotation of magnetization **182**: 335
Klik, I. and Y.D. Yao, Initial susceptibility of noninteracting particulate media **186**: 233
Kloos, G., On the thermodynamic framework for the description of reversible magnetomechanical and magnetocaloric phenomena **172**: 247
Klotz, T. and S. Kobe, Geometry of ground-state clusters in the configuration space of finite 3d $\pm J$ spin glasses **177/181**: 1359
Knabben, D., N. Weber, B. Raab, Th. Koop, F.U. Hillebrecht, E. Kisker and G.Y. Guo,

Transverse magneto-optical Kerr effect of Fe at the 2p excitation threshold **190**: 349
Knobel, M., see Miranda, M.G.M. **185**: 331
Ko, K.Y., S. Yoon and J.G. Booth, Magnetic properties and microstructure of hot-pressed and die-upset Mischmetal–FeB–(Al) permanent magnets **176**: 313
Kobayashi, K., see Takabatake, T. **177/181**: 277
Kobayashi, K., see Chen, J. **188**: 260
Kobayashi, N., M. Isa, T. Nishizaki and M. Fujiwara, Electrical and magnetic properties of $La_{1-x}Ca_xMnO_3$ and $Pr_{2/3-x}Ca_xMnO_3$ thin films **177/181**: 875
Kobayashi, N., see Hiroi, M. **177/181**: 429
Kobayashi, N., see Matsukawa, M. **177/181**: 529
Kobayashi, N., S. Ohnuma, S. Murakami, T. Masumoto, S. Mitani and H. Fujimori, Enhancement of low-field-magnetoresistive response of tunnel-type magnetoresistance in metal–nonmetal granular thin films **188**: 30
Kobayashi, Y., K. Honda, Y. Aoki, H. Sato, T. Ono, T. Shinjo, S.A. Makhlouf, K. Sumiyama and K. Suzuki, Hall effect in Fe–Ag granular alloys **176**: 164
Kobe, S., see Klotz, T. **177/181**: 1359
Kobe, S., see McGuiness, P.J. **188**: 119
Köbler, U., see Müller-Hartmann, E. **173**: 133
Köbler, U., R.M. Mueller, W. Schnelle and K. Fischer, Critical magnetic behaviour of a ferromagnet with antiferromagnetic fourth-order exchange interactions: GdMg **188**: 333
Kocharian, A., see Szeftel, J. **187**: 261
Kocharian, A.N., see Kioussis, N. **177/181**: 575
Kockelmann, W., see Schäfer, W. **177/181**: 808
Kockelmann, W., W. Schäfer, J.K. Yakinthos and P.A. Kotsanidis, Crossover from ferromagnetic $RCoC_2$ to antiferromagnetic $RNiC_2$ (R = rare earths) investigated on mixed $Tb(Co,Ni)C_2$ **177/181**: 792
Kockelmann, W., see Moze, O. **189**: 329
Kockelmann, W.A., see Giovanelli, L. **177/181**: 1044
Koepernik, K., see Diviš, M. **176**: L81
Kohama, T., see Nakama, T. **177/181**: 425
Kohama, T., see Burkov, A.T. **177/181**: 1067
Kohama, T., see Burkov, A.T. **177/181**: 1069
Kohama, T., see Nakama, T. **177/181**: 1369
Kohara, T., see Iwamoto, Y. **177/181**: 585
Kohara, T., see Ueda, K. **177/181**: 467
Kohara, T., see Suzuki, T. **177/181**: 461
Kohara, T., see Matsuda, K. **177/181**: 447
Kohara, T., see Kohori, Y. **177/181**: 441
Kohgi, M., K. Iwasa, J.-M. Mignot, A. Ochiai and T. Suzuki, Spin dynamics of the low-carrier heavy-electron system Yb_4As_3 **177/181**: 307
Kohgi, M., see Ohoyama, K. **177/181**: 339
Kohgi, M., see Iwasa, K. **177/181**: 393
Kohgi, M., see Takeuchi, T. **177/181**: 463
Köhler, M., see Zölfl, M. **175**: 16
Kohno, H., see Fukuyama, H. **177/181**: 483
Kohori, Y., M. Ishii and T. Kohara, ^{195}Pt NMR study in $U(Pt_{1-x}Pd_x)_3$ **177/181**: 441
Kohori, Y., see Suzuki, T. **177/181**: 461
Kohori, Y., see Matsuda, K. **177/181**: 447
Kohout, J., see Štěpánková, H. **177/181**: 239
Kohout, J., see Štěpánková, H. **185**: 225
Kohyama, J., see Takeuchi, T. **177/181**: 1081
Koide, N., see Kuroe, H. **177/181**: 679
Koide, T., see Katayama, T. **177/181**: 1251
Koike, Y., see Metoki, N. **177/181**: 449
Koizumi, A., N. Sakai, S. Mitsudo and M. Motokawa, Sweep-rate effect on magnetic hysteresis in amorphous $Tb_{60}Fe_{20}Al_{20}$ **177/181**: 211
Kojima, K.M., see Luke, G.M. **177/181**: 754
Kojima, K.M., see Merrin, J. **177/181**: 799
Kokado, S. and N. Suzuki, Magnetic properties of $S = \frac{1}{2}$ AF–F alternating chains – Effect of interchain coupling **177/181**: 677
Kokanović, I., B. Leontić, J. Lukatela and K. Zadro, The magnetic susceptibility of hydrogen-doped $Zr_{67}Co_{33}$ metallic glass **188**: 138
Kolekar, C.B., see Vasambekar, P.N. **186**: 333
Kolesik, M., see Novotny, M.A. **177/181**: 917
Kolesova, I.M., see Troyanchuk, I.O. **176**: 267
Kolmogorov, A.N., see Kreines, N.M. **177/181**: 1189
Komalamba, B., K. Venkata Sivakumar and V.R.K. Murthy, Temperature dependence of elastic moduli of Mn–Zn ferrites in Mn-rich region at saturation magnetic fields **173**: 59
Komatsu, H., see Matsuoka, Y. **177/181**: 729
Komatsubara, T., see Isikawa, Y. **177/181**: 391
Komatsubara, T., see Ishiguro, A. **177/181**: 1355
Kondo, S., see Merrin, J. **177/181**: 799
Kong, Y., see Xue, D. **172**: 165
Kong, Y., X. Diao, J. Yang and F. Li, Evaluation of the compressibility of iron–nickel nitrides **172**: L15
Konishi, K., see Kamimori, T. **177/181**: 1119
Konno, T.J., see Peng, D.L. **172**: 41
Konno, T.J., see Uehara, M. **177/181**: 997
Konoto, M., see Tsunoda, M. **171**: 29
Kontani, M., see Nishioka, T. **177/181**: 451
Kontani, M., see Ushida, Y. **177/181**: 423
Kontani, M., see Ido, H. **177/181**: 385
Kontani, M., see Ohno, T. **177/181**: 453
Kontani, M., T. Sumi, S. Taniguchi, H. Ido and M. Hamada, NMR studies of Th_2Zn_{17}-type $U_2Cu_8Al_9$ and $Ce_2Cu_8Al_9$ **177/181**: 397
Kools, J.C.S., see Labrune, M. **171**: 1
Kools, J.C.S., see King, J.P. **177/181**: 896
Koop, Th., see Knabben, D. **190**: 349
Kopcewicz, M., A. Grabias and B. Idzikowski, Magnetic properties of nanocrystalline

$Fe_{80}Ti_7B_{12}Cu_1$ alloy investigated by the RF-Mössbauer technique **177/181**: 1434
Kopmann, W., see Wagener, W. **177/181**: 545
Köppen, M., see Helfrich, R. **177/181**: 309
Köppen, M., see Weiden, M. **177/181**: 743
Korkala, T., see Ruuskanen, P. **182**: 185
Kornilovitch, P., see Kachkachi, H. **172**: 173
Koroleva, L.I., see Warczewski, J. **175**: 299
Koroleva, L.I., see Demin, R.V. **177/181**: 871
Kosaka, M., see Koshikawa, Y. **173**: 72
Kosaka, M., see Onodera, H. **182**: 161
Kosaka, T., see Tang, J. **177/181**: 1363
Koshikawa, Y., H. Onodera, M. Kosaka, H. Yamauchi, M. Ohashi and Y. Yamaguchi, Crystalline electric fields and magnetic properties of single-crystalline $RNiC_2$ compounds (R = Ho, Er and Tm) **173**: 72
Koshikawa, Y., see Onodera, H. **182**: 161
Koshizuka, N., see Machi, T. **177/181**: 525
Kostyuchenko, V.V. and A.K. Zvezdin, Spin-reorientation transitions in magnetic multilayers with cubic anisotropy and biquadratic exchange **176**: 155
Kosuge, M., see Machi, T. **177/181**: 525
Kotani, A., see Kimura, S. **177/181**: 349
Kotani, A., see Matsuyama, H. **177/181**: 1029
Kotani, T. and H. Akai, Optimized-effective-potential method with exact exchange and exact RPA correlation-3d metals **177/181**: 569
Kotov, V.N., J. Oitmaa and O. Sushkov, Local impurities in 2D quantum antiferromagnets **177/181**: 727
Kotsanidis, P.A., G. Papathanassiou, J.K. Yakinthos, E. Ressouche and V.N. Nguyen, Crystal and magnetic structure of TmNiGa **176**: 255
Kotsanidis, P.A., see Kockelmann, W. **177/181**: 792
Kottar, A., see Hauser, R. **177/181**: 292
Kötzler, J., see Baumann, M. **177/181**: 497
Kou, X.C., F.R. de Boer, R. Grössinger, G. Wiesinger, H. Suzuki, H. Kitazawa, T. Takamasu and G. Kido, Magnetic anisotropy and magnetic phase transitions in R_2Fe_{17} with R = Y, Ce, Pr, Nd, Sm, Gd, Tb, Dy, Ho, Er, Tm and Lu (*Invited paper*) **177/181**: 1002
Kou, X.C., see Bogner, J. **177/181**: 839
Kou, X.C., see Hatzl, R. **187**: 318
Koui, K., see Itoh, M. **190**: 210
Kouzoudis, D., Heisenberg $s = \frac{1}{2}$ ring consisting of a prime number of atoms **173**: 259
Kouzoudis, D., Exact analytical partition function and energy levels for a Heisenberg ring of $N = 6$ spin 1/2 sites **189**: 366
Kouzuki, A., N. Maya, K. Kawasaki and K. Nakamura, Spin dynamics of spin-Peierls transition in quantum Heisenberg antiferromagnetic chain **177/181**: 643
Kovač, J., see Kowalczyk, A. **176**: 241
Kowalczyk, A., The intersublattice exchange interactions in the $R_2Co_7B_3$ compounds (R = heavy rare earth) **171**: 113
Kowalczyk, A., The intrinsic magnetic properties of $R_2Co_7B_3$ (R = rare earth) intermetallic compounds **175**: 279
Kowalczyk, A., J. Baszyński, J. Kovač and A. Szlaferek, Magnetic and resistivity investigation of $Dy(Co_{1-x}Si_x)_2$ $(0 < x \leqslant 0.2)$ compounds **176**: 241
Kowalczyk, A. and A. Jezierski, Electron-transport properties and electronic structure of the $Nd_3Co_{11}B_4$ compound **182**: 137
Kowalczyk, A. and A. Jezierski, Electrical resistivity of $DyCo_3B_2$ compound **188**: 361
Kowalczyk, A., L. Smardz and A. Jezierski, Electronic structure and magnetic properties of $Gd_3Co_{11}B_4$ compound **190**: 205
Koyama, K., see Ohno, T. **177/181**: 537
Koyama, K., see Kamimori, T. **177/181**: 1119
Koyama, K., see Saito, T. **177/181**: 557
Koyanagi, A., see Sugiyama, K. **177/181**: 361
Kratz, A.R., see Kwon, C. **172**: 229
Krause, T.W., see Yu, Y. **171**: 94
Kravetz, A.F., see Pohorilyi, A.N. **186**: 87
Krebs, H.U., see Neubauer, M. **189**: 8
Kreiner, K., H. Michor, G. Hilscher, N.V. Baranov and S.V. Zemlyanski, Evolution of the electronic specific heat and magnetic order in $(Fe_{1-x}Ni_x)Rh$ **177/181**: 581
Kreines, N.M., A.N. Kolmogorov and V.F. Mescheriakov, FMR studies of magnetic ordering structure in Fe/Cr superlattices **177/181**: 1189
Kremer, R.K., see Smith, T.J. **177/181**: 543
Kreuzer, S., see Zölfl, M. **175**: 16
Krey, U., see Moser, A. **183**: 272
Krey, U., see Paja, A. **186**: 104
Kreyssig, A., see Freudenberger, J. **187**: 309
Krishnan, R., see Lassri, H. **172**: 61
Krishnan, R., A. Das, N. Keller, H. Lassri, M. Porte and M. Tessier, Effect of intercalating Ni layers on the magnetic and magneto-optic properties of Co/Pt multilayers **174**: L17
Krishnan, R., M. Nyvlt and S. Visnovsky, Magneto-optic multilayers: Fundamental and technological aspects **175**: 90
Krishnan, R., see Manivel Raja, M. **184**: 227
Krishnan, R., M.O. Gutiérrez, J.F. Calleja, M.C. Contreras and A.I. Fernández, Anisotropy and anisotropy dispersion of Fe/CoNbZr sandwiches studied by magneto-optical techniques **188**: 35
Kromer, F., see Langhammer, C. **177/181**: 443
Kronmüller, H., see Pastushenkov, Yu.G. **174**: 278

Kronmüller, H., see Mohan, Ch.V. **174**: 89
Kronmüller, H., R. Fischer, R. Hertel and T. Leineweber, Micromagnetism and the microstructure in nano-crystalline materials **175**: 177
Kronmüller, H., see Leineweber, T. **176**: 145
Kronmüller, H., see Neuweiler, A. **177/181**: 1269
Kronmüller, H., see Mohan, Ch.V. **182**: 287
Kronmüller, H., see Mohan, Ch.V. **183**: 348
Kronmüller, H., see Zhang, Jun-xian **183**: 111
Kronmüller, H., see Fischer, R. **184**: 166
Kronmüller, H., see Zern, A. **184**: 89
Kronmüller, H., see Goll, D. **185**: 49
Krop, K., see Cottenier, S. **177/181**: 1083
Krop, K., see Przewoźnik, J. **187**: 337
Ku, W.-J., see Ge, S.-H. **177/181**: 1179
Kubasov, A.A., Electromotive force generation due to ferrofluid motion **173**: 15
Kubinski, D.J., see Jedryka, E. **177/181**: 1183
Kubis, M., see Gebel, B. **174**: L1
Kubo, T., J. Miyakita and S. Maegawa, ^{55}Mn NMR in triangular lattice Heisenberg antiferromagnet $CsMnI_3$ **177/181**: 829
Kubo, T., see Chiba, M. **177/181**: 630
Kubo, T., see Uyeda, M. **177/181**: 833
Kubota, M., K. Kawasaki and S. Takeno, Stationary and moving self-localized modes in 2D square magnets with a hole **177/181**: 842
Kuch, W., see Zharnikov, M. **174**: 40
Kuch, W. and S.S.P. Parkin, Structural and magnetic phases of Fe in Fe/Ni(0 0 1) and $Fe/Ni_{81}Fe_{19}$(0 0 1) multilayers **184**: 127
Kucherenko, Y., see Rennert, P. **177/181**: 1275
Kudrevatykh, N.V., see Andreev, S.V. **187**: 83
Kučera, M., see Štěpánková, H. **185**: 225
Kuga, K., see Taguchi, R. **176**: 8
Kuhnen, C.A., see de Figueiredo, R.S. **173**: 141
Kuhnen, C.A., see dos Santos, A.V. **184**: 293
Kukudzhanova, E.N., see Antoshina, L.G. **188**: 228
Kulakowski, K., see Aragoneses, P. **177/181**: 199
Kulakowski, K., see Dominguez, L. **185**: 121
Kulatov, E., see Ohta, H. **177/181**: 1371
Kulik, T., see Lachowicz, H.K. **190**: 267
Kulikov, N.I., see Arola, E. **177/181**: 1415
Kulinska, A., see Neubauer, M. **189**: 8
Kumagai, K., see Suzuki, T. **177/181**: 461
Kumar, G.S., see Kumar, M.M. **188**: 203
Kumar, M.M., S. Srinath, G.S. Kumar and S.V. Suryanarayana, Spontaneous magnetic moment in $BiFeO_3$–$BaTiO_3$ solid solutions at low temperatures **188**: 203
Kumar, N., Pran K. and Z.H. Zaidi, Effect of MgTi and ZnTi substitutions on electrical and magnetic properties of Li ferrite **184**: 355
Kumigashira, H., H.-D. Kim, T. Takahashi, O. Sakai, M. Kasaya, O. Tjernberg, G. Chiaia, L. Duò and I. Lindau, Surface and bulk 4f electronic structure of $CeIn_3$ and $CeSn_3$ **177/181**: 1035
Kumigashira, H., see Kimura, S. **177/181**: 349
Kumigashira, H., see Takahashi, T. **177/181**: 1027
Kunii, S., see Haworth, C.J. **177/181**: 369
Kunii, S., see Hiroi, M. **177/181**: 429
Kunii, S., see Takahashi, K. **177/181**: 1097
Kunze, W., see Biru Worku, G. **174**: 167
Kurata, S., C. Sasaki and K. Kawasaki, Spin dynamics of the frustrated 2D quantum Heisenberg antiferromagnets **177/181**: 715
Kurimoto, M., S. Matsubayashi, K. Ando, K. Shinagawa, T. Saito and T. Tsushima, Temperature dependence of the Faraday effect in Rh^{4+}-substituted magnetic garnets **177/181**: 245
Kurimoto, M., see Matsubayashi, S. **177/181**: 249
Kurisu, M., see Hiraoka, T. **177/181**: 383
Kurisu, M., see Andoh, Y. **177/181**: 1063
Kurisu, M., see Oki, A. **177/181**: 1089
Kurisu, M., see Ito, T. **177/181**: 1079
Kurisu, M., see Kawano, S. **182**: 393
Kurita, N., see Kato, H. **189**: 263
Kuroda, K., see Yamada, Y. **177/181**: 1397
Kuroe, H., H. Seto, J. Sasaki, T. Sekine, N. Koide, Y. Sasago, K. Uchinokura, M. Hase, M. Isobe and Y. Ueda, Doping effects on the folded phonon mode in the spin-Peierls systems $CuGeO_3$ and α'-NaV_2O_5 **177/181**: 679
Kuroe, H., see Sekine, T. **177/181**: 691
Kusakabe, K., see Wakabayashi, K. **177/181**: 1484
Kusz, J., see Warczewski, J. **175**: 299
Kusz, J., see Talik, E. **186**: 33
Kuwabara, M., see Imakawa, M. **182**: 403
Kuwahara, K., see Park, J.-G. **177/181**: 455
Kuwai, T., H. Takagi, H. Ito, Y. Isikawa, J. Sakurai, K. Nishimura and C.C. Paulsen, Low-temperature properties of $CePd_2Sn_2$ **177/181**: 399
Kuwai, T., see Sakurai, J. **177/181**: 407
Kuwai, T., see Isikawa, Y. **177/181**: 391
Kuwano, K., see Kadomatsu, H. **189**: 335
Kuz'micheva, T.G., see Ol'khovik, L.P. **183**: 181
Kuz'min, V.S., see Virchenko, V.A. **183**: 78
Kuzmichev, M., see Khan, H.R. **183**: 127
Kuźmiński, M., see Lachowicz, H.K. **190**: 267
Kwon, C., M.C. Robson, K.-C. Kim, J.Y. Gu, S.E. Lofland, S.M. Bhagat, Z. Trajanovic, M. Rajeswari, T. Venkatesan, A.R. Kratz, R.D. Gomez and R. Ramesh, Stress-induced effects in epitaxial $(La_{0.7}Sr_{0.3})MnO_3$ films **172**: 229
Kwon, H.M., see Kim, H.T. **173**: 295
Kwon, S.K., see Kang, J.-S. **177/181**: 1033

Labrune, M., J.C.S. Kools and A. Thiaville, Magnetization rotation in spin-valve multilayers **171**: 1

Lacerda, A., see Baranov, N.V. **177/181**: 1133
Lachowicz, H.K., A. Neuweiler, F. Popławski and E. Dynowska, On the origin of stress-anneal-induced anisotropy in FINEMET-type nanocrystalline magnets **173**: 287
Lachowicz, H.K., T. Kulik, R. Zuberek, L. Małkiński, M. Kuźmiński, A. Ślawska-Waniewska and J.S. Muñoz, Tailoring soft and hard magnets by annealing Co-based metallic glass **190**: 267
Lacroix, C., see Coqblin, B. **177/181**: 433
Lacroix, C., see Crépieux, A. **182**: 341
Laffargue, D., see Bordère, S. **175**: 263
Laffargue, D., see Fourgeot, F. **182**: 124
Lagar'kov, A., see Usov, N. **174**: 127
Lagar'kov, A.N., see Usov, N.A. **185**: 159
Lagarkov, A.N., see Antonov, A.S. **187**: 252
Lagutin, A.S. and V.L. Safonov, Magnetic phase transitions and microwave absorption in rare-earth–iron garnet **171**: 336
Lai, W.-Y., see Ge, S.-H. **177/181**: 1179
Lai, W.Y., see Zhang, X.Y. **187**: 12
Laidler, H., see Rose, J. **177/181**: 223
Laidler, H., see Hase, T.P.A. **177/181**: 1164
Lairson, B.M., see Mei, L. **187**: 268
Lamarche, A.-M., J.C. Woolley, G. Lamarche, I.P. Swainson and T.M. Holden, Structure and magnetic properties of the ternary compound copper iron telluride **186**: 121
Lamarche, G., see Lamarche, A.-M. **186**: 121
Lambert-Andron, B., see Courtois, D. **189**: 173
Lanchava, B., H. Hoffmann, A. Bechert, S. Gegenfurtner, C. Amann and H. Rohrmann, Anisotropic growth of magnetic domains in amorphous Fe–Tb thin films **176**: 139
Landinez Tellez, D.A., J.M. Ferreira and J. Albino Aguiar, Superconductivity and normal-state magnetism of $CaLaBaCu_{3-x}Co_xO_{7-}$ superconductor **177/181**: 509
Landinez Tellez, D.A., see Cabral, L.R.E. **177/181**: 513
Lang, A., see Sutter, J.P. **171**: 147
Lang, M., see Helfrich, R. **177/181**: 309
Lang, M., see Langhammer, C. **177/181**: 443
Lang, M., see Weiden, M. **177/181**: 743
Langhammer, C., R. Helfrich, A. Bach, F. Kromer, M. Lang, T. Michels, M. Deppe, F. Steglich and G.R. Stewart, Evidence for the existence of two variants of UBe_{13} **177/181**: 443
Langouche, G., see Swinnen, B. **175**: 23
Lanotte, L., see Kaczkowski, Z. **185**: 109
Lanotte, L., see Kaczkowski, Z. **185**: 115
Lapertot, G., see Thessieu, C. **177/181**: 609
Lapertot, G., see Raymond, S. **190**: 245
Lapinskas, S., see Šmakov, J. **190**: 157
Larica, C., see Biondo, A. **176**: 272
Larkin, M., see Luke, G.M. **177/181**: 754
Larkin, M., see Merrin, J. **177/181**: 799
Larsson, P., see Hanson, M. **177/181**: 519
Lascialfari, A., see Gatteschi, D. **185**: 238
Lassri, H., M. Abid, R. Krishnan, A. Fnidiki and J. Teillet, Magnetic and Mössbauer investigations in sputtered Fe/Pt multilayers **172**: 61
Lassri, H., see Krishnan, R. **174**: L17
Lathiotakis, N.N., B.L. Györffy, J.B. Staunton and B. Újfalussy, Periods and damping of the oscillatory exchange coupling across $Cu_{(1-x)}Ni_x$ alloy spacers **185**: 293
Latorre, R., see Dufour, J. **172**: 308
Laube, F., see Link, A. **177/181**: 401
Lauhoff, G., see Rosenbusch, P. **172**: 19
Lauhoff, G., J. Lee, J.A.C. Bland, J.Ph. Schillé and G. van der Laan, Ferromagnetic coupling and anisotropy in epitaxial Cu/Co/Ni/Cu (0 0 1) **177/181**: 1253
Laur, R., see Brachtendorf, H.G. **183**: 305
Layadi, A. and J.O. Artman, Study of antiferromagnetic coupling by ferromagnetic resonance (FMR) **176**: 175
Łazarczyk, P., T. Story, A. Jędrzejczak, R.R. Gałązka, W. Mac, M. Herbich and A. Stachow-Wójcik, Anomalous Hall effect in $Pb_{1-x-y}Sn_yMn_xTe$ and $Sn_{1-x}Mn_xTe$ semimagnetic semiconductors **176**: 233
Lazaro, F.J. see Bødker, F. **177/181**: 925
Lázaro, F.J., see Morales, M.P. **183**: 232
Lázaro, F.J., see López, A. **187**: 221
Le Breton, J.M., see Edgley, D.S. **173**: 29
Le Breton, J.-M., see Steyaert, S. **176**: 297
Le Callonnec, C., P. Faucon, P. Bonville, N. Genand-Riondet and J.F. Jacquinot, Superparamagnetic properties of a cement-derived synthetic Fe-substituted calcium silicate hydrate **171**: 119
Le Gall, H., see Sbiaa, R. **183**: 247
Le, L.P., see Nieuwenhuys, G.J. **177/181**: 803
Leake, J.A., see Hall, M.J. **173**: 253
Lebech, B., see Achu, E.W. **177/181**: 779
Lebedev, S.P., see Mukhin, A.A. **177/181**: 531
Lebedev, S.P., see Mukhin, A.A. **183**: 157
Lebedev, S.P., see Mukhin, A.A. **183**: 160
Leccabue, F., see Albanese, G. **184**: 33
Leccabue, F., see Díaz-Castañón, S. **185**: 194
Lederer, T., see Müller, M. **177/181**: 231
Lederman, D., J.M. Gallego, S. Kim and I.K. Schuller, Superlattice effect in the transport properties of Ni/Co multilayers **183**: 261
Ledue, D., see Veiller, L. **184**: 55
Lee, H.M., see Lee, J.-G. **177/181**: 900
Lee, J., see Rosenbusch, P. **172**: 19
Lee, J.-G., H.M. Lee, C.S. Kim and Y.-J. Oh, Magnetic properties of $CoFe_2O_4$ powders and thin films grown by a sol–gel method **177/181**: 900
Lee, J., see Lauhoff, G. **177/181**: 1253

Lee, J.C., see Jen, S.U. **188**: 367
Lee, J.C., see Jen, S.U. **188**: 373
Lee, J.D., see Min, B.I. **177/181**: 881
Lee, J.I., see Chang, C.S. **177/181**: 1255
Lee, S.F., see Petroff, F. **175**: 33
Lee, S.L., C.M. Aegerter, C. Ager, E.M. Forgan, S.H. Lloyd and H. Keller, Muon-spin rotation (μSR) measurements on $Bi_2Sr_2CaCu_2O_{8+\delta}$ in the presence of columnar defects **177/181**: 523
Lee, S.L., see Ager, C. **177/181**: 561
Lee, S.L., see Hillier, A.D. **177/181**: 1111
Lee, S.S., see Kim, C.G. **177/181**: 1301
Lee, S.S., see Hwang, D.G. **186**: 265
Lee, S.W., see Kim, C.S. **177/181**: 993
Lee, T.D., see Chang, H.S. **177/181**: 913
Lefebvre, L.P., S. Pelletier and C. Gélinas, Effect of electrical resistivity on core losses in soft magnetic iron powder materials **176**: L93
Lefmann, K., see Rischel, C. **177/181**: 775
Legrand, B.A., D. Chateigner, R. Perrier de la Bathie and R. Tournier, Orientation by solidification in a magnetic field. A new process to texture SmCo compounds used as permanent magnets **173**: 20
Lehmann, M.S., see Forsyth, J.B. **177/181**: 1395
Lehnert, K., see Ohta, H. **177/181**: 341
Leinenbach, P., see Memmert, U. **190**: 124
Leineweber, T., see Kronmüller, H. **175**: 177
Leineweber, T. and H. Kronmüller, Micromagnetic examination of exchange coupled ferromagnetic nanolayers **176**: 145
Lejay, P., see Alonso, J.A., **177/181**: 1048
Lemarchand, D., see De Pauw, V. **172**: 269
Lemerle, S., see Jamet, J.P. **175**: 125
Lemmens, P., see Weiden, M. **177/181**: 743
Léone, P., P. Euzen, P. Palvadeau and J. Rouxel, Investigations by magnetic measurements and neutron diffraction studies of the magnetic ordering of $Mn_8O_{10}Cl_3$ **172**: 153
Léone, P., P. Euzen, P. Palvadeau and J. Rouxel, A neutron-diffraction study of $Fe_{0.84}Mn_{7.16}O_{10}Cl_3$: Refinement of the nuclear structure and determination of the magnetic structure **182**: 172
Leontić, B., see Kokanović, I. **188**: 138
Leonyuk, L., see Szymczak, R. **177/181**: 711
Lepalovskij, V.N., see Vas'kovskij, V.O. **185**: 246
Lercher, M.J. and J.M. Wheatley, On the validity of mode–mode coupling theory **185**: 384
Lesnik, N.A., see Golub, V.O. **174**: 95
Levin, E.M., see de V. du Plessis, P. **177/181**: 457
Levitin, R.Z. and A.S. Markosyan, Effects of magnetic instability in f–d intermetallic compounds (*Invited paper*) **177/181**: 563
Levy, P.M., see Wang, K. **189**: L131
Lewis, L.H., D.O. Welch and V. Panchanathan, Curie temperature enhancement of $Nd_2Fe_{14}B$ in nanocomposite exchange-spring alloys **175**: 275
Lewis, L.H., V. Panchanathan and J.-Y. Wang, Technical magnetic properties of melt-spun $(Nd_{1-x}Pr_x)_2Fe_{14}B$ at low temperature **176**: 288
Li, C.P., see Shield, J.E. **188**: 353
Li, D.X., see Kasuya, T. **171**: 251
Li, D.X., see Kasuya, T. **174**: L21
Li, D.X., Y. Shiokawa, Y. Homma, A. Uesawa and T. Suzuki, Spin-glass behavior in U_2PtSi_3 **176**: 261
Li, D.X., see Hashi, K. **177/181**: 335
Li, D.X., see Oyamada, A. **177/181**: 343
Li, D.X., see Kimura, S. **177/181**: 351
Li, F., see Kong, Y. **172**: L15
Li, F., see Xue, D. **172**: 165
Li, G.S., see Tang, S.L. **188**: 387
Li, G.S., see Tang, S.L. **189**: 202
Li, H.-S., see Campbell, S.J. **177/181**: 1103
Li, H.-S., see Courtois, D. **189**: 173
Li, H.S., see Courtois, D. **177/181**: 995
Li, J., see Yang, Z. **182**: 369
Li, J.-M., see Tang, W. **185**: 241
Li, Long-Yu, see Wang, Xiao-Hui **184**: 95
Li, M., Z.-H. Jiang, Z.-Q. Zou and D.-F. Shen, Co–Pt alloy films with saturated remanence ratio prepared by sputtering a composite target **176**: 331
Li, Shan-dong, see Sun, Wen-sheng **176**: 307
Li, X.G., A. Chiba, S. Takahashi and K. Ohsaki, Preparation, oxidation and magnetic properties of Fe–Cr ultrafine powders by hydrogen plasma-metal reaction **173**: 101
Li, X.G., T. Murai, T. Saito and S. Takahashi, Thermal stability, oxidation behavior and magnetic properties of Fe–Co ultrafine particles prepared by hydrogen plasma-metal reaction **190**: 277
Li, Y., see Fang, H.C. **187**: 129
Li, Y., J. Ding, S.C. Ng and X.Z. Wang, Unusual magnetization anisotropy in amorphous Nd–Fe–Al ribbons **187**: L273
Li, Z., see Sun, H. **176**: 213
Li, Z.-y., see Jiang, Q. **187**: 393
Li, Zhi-Qiang, see Wang, Jian-Tao **183**: 42
Liang, B., see Zhang, Jun-xian **183**: 111
Liang, G., see Xi, H. **175**: 319
Liao, C.C., see Jen, S.U. **188**: 367
Liao, C.C., see Jen, S.U. **188**: 373
Lieb, K.P., see Neubauer, M. **189**: 8
Liechtenstein, A.I., see Solovyev, I.V. **185**: 118
Lim, C.M., see Parnell, S.R. **177/181**: 1014
Lim, S.H., see Kim, W.T. **177/181**: 1123

Lim, S.H., Y.S. Choi, S.H. Han, H.J. Kim, T. Shima and H. Fujimori, Magnetostriction of Sm–Fe and Sm–Fe–B thin films fabricated by RF magnetron sputtering **189**: 1
Lim, S.P., see Schoenes, J. **177/181**: 1046
Lima, A.V., M.L. Lyra and U.M.S. Costa, Damage-spreading scaling and temporal evolution near the surface–bulk transition of Ising layered films **171**: 329
Lin, C., C.-X. Liu, Y.-X. Sun, Z.-X. Liu, D.-F. Chen, C. Gou, K. Sun and J.-L. Yang, Neutron diffraction study of Nd_5Fe_{17} **186**: 129
Lin, H., see Jin, Z. **182**: 231
Lin, J., see Rhyne, J.J. **177/181**: 1195
Lin, P., see Wang, Y.-g. **185**: 339
Lindau, I., see Kumigashira, H. **177/181**: 1035
Lindbaum, A., see Dubenko, I.S. **177/181**: 571
Lindbaum, A., see Gratz, E. **177/181**: 1077
Lindbaum, A., see Gratz, E. **184**: 372
Lindgård, P.-A. Flat, distorted spiral structure in praseodymium and neodymium **177/181**: 1016
Lindley, R.A., see Sena, S.P. **176**: 111
Ling, M.F., J.B. Staunton, D.D. Johnson and F.J. Pinski, Magnetic correlations in γ-Mn and a Mn–10 at% Cu alloy **177/181**: 1399
Ling, M.F., see Cussen, L.D. **177/181**: 1419
Link, A., F. Laube, L. Donnevert, G. Sparn, C. Geibel and F. Steglich, Magnetic to superconducting transition in $CeCu_2Si_2$ under pressure **177/181**: 401
Linnik, A.I., see Dellalov, V.S. **172**: 74
Lionti, F., see Barbara, B. **177/181**: 1324
Liorzou, F., Y. Yu and D.L. Atherton, Tensor magnetostriction loops for a ferrite permanent magnet cube with a rotation magnetization process **182**: 49
Liorzou, F. and D.L. Atherton, Ferrite magnetostriction loops with vector rotation as a magnetization process **187**: 69
Liou, S.H. and Y.D. Yao, Development of high coercivity magnetic force microscopy tips **190**: 130
Liou, Y., see Lo, C.K. **177/181**: 1257
Lisowski, M. and E. Zipper, Orbital magnetic ordering in disordered mesoscopic systems **189**: 225
Liss, K.D., see Chattopadhyay, T. **177/181**: 1058
List of contributors **177/181**: 1486
Lister, S.J., see Julian, S.R. **177/181**: 265
Litterst, F.J., see Wagener, W. **177/181**: 545
Liu, B.X., see Zhang, M. **182**: 89
Liu, C.-X., see Lin, C. **186**: 129
Liu, H.-p., P. James, A. Broddefalk, Y. Andersson, P. Granberg and O. Eriksson, Structural and magnetic properties of $(Fe_{1-x}Co_x)_3P$ compounds: experiment and theory **189**: 69
Liu, H.K., see Wang, X.L. **182**: L1
Liu, R.P., see Zhang, X.Y. **172**: 301
Liu, T.-S., Guo-zhu Wei and Zi-hua Xin, Magnetic properties of transverse ferrimagnetic Ising model **173**: 179
Liu, T.S., see Xin, Z.H. **176**: 206
Liu, T.S., see Xin, Z.H. **188**: 65
Liu, W., see Sui, Y.C. **172**: 285
Liu, W., see Xiao, Q.F. **184**: 330
Liu, W., see Zhang, Z.-D. **188**: 246
Liu, W.H., see Mei, L. **187**: 268
Liu, Wei, see Zhang, Zhi-Dong **184**: 101
Liu, X., J. Wang, L.-M. Gan, S.-C. Ng and J. Ding, An ultrafine barium ferrite powder of high coercivity from water-in-oil microemulsion **184**: 344
Liu, X.Y., see Foldeaki, M. **174**: 295
Liu, X.Y., see Kang, S.S. **187**: 154
Liu, Y., see Ferrier, R.P. **175**: 111
Liu, Y., see Wang, X. **189**: 96
Liu, Z.-K., see Yao, Z.-Y. **177/181**: 1291
Liu, Z.-X., see Lin, C. **186**: 129
Llobet, A., see Toulemonde, O. **190**: 307
Lloyd, S.H., see Lee, S.L. **177/181**: 523
Lloyd, S.H., see Ager, C. **177/181**: 561
Lo, C.K., I. Klik, Y. Liou, C.P. Chang, C.S. Yang and Y.D. Yao, Magnetic hysteresis and planar Hall effect of Co films **177/181**: 1257
Loaiza, P.M., see Safonov, V.L. **173**: 43
Lodder, C., see Porthun, S. **182**: 238
Lodder, C., see Abelmann, L. **190**: 135
Lodder, C., see Vellekoop, B. **190**: 148
Lodder, J.C., D.J. Monsma, R. Mollema, T. Shimatsu and R. Vlutters, Latest developments of the spin-valve transistor **175**: 159
Loewenhaupt, M., Th. Reif, W. Hahn and B. Frick, Magnetic excitation spectra of $NdCu_2$ **177/181**: 1050
Loewenhaupt, M., see Freudenberger, J. **187**: 309
Lofland, S.E., see Kwon, C. **172**: 229
Löhneysen, H.v., see Takabatake, T. **177/181**: 277
Loloee, R., see Schroeder, P.A. **177/181**: 1464
Loloee, R., see Marrows, C.H. **184**: 137
Long, G.J., S.R. Mishra, O.A. Pringle, Z. Hu, W.B. Yelon, F. Grandjean, D.P. Middleton and K.H.J. Buschow, A magnetic, neutron diffraction, and Mössbauer spectral study of the $Ce_2Fe_{17-x}Ga_x$ solid solutions **176**: 217
Long, G.J., see Pringle, O.A. **183**: 81
Long, G.J., O.A. Pringle, P.C. Ezekwenna, S.R. Mishra, D. Hautot and F. Grandjean, A Mössbauer spectral study of the $Sm_2Fe_{17-x}Al_x$ solid solutions **186**: 10
Lonzarich, G.G., see Julian, S.R. **177/181**: 265
Loos, J., see Morkowski, J.A. **177/181**: 733
Lopez de la Torre, M.A., see Riveiro, J.M. **188**: 153
López, A., F.J. Lázaro, R. von Helmolt, J.L. García-Palacios, J. Wecker and H. Cerva, Magnetic AC susceptibility study of the

cobalt segregation process in melt-spun Cu–Co alloys **187**: 221
López de la Torre, M.A., M. Ellerby, M. Watmough and K.A. McEwen, Magnetic and electrical properties of $UCu_{5-x}Ni_x$ **177/181**: 445
López de la Torre, M.A., see Watmough, M. **177/181**: 469
López, E., see Prieto, J.L. **174**: 289
López, E., see Prieto, J.L. **177/181**: 215
López, E., see Rodriguez, M. **177/181**: 220
López-Mateos, F., see Dufour, J. **172**: 308
López-Quintela, M.A., see Hueso, L.E. **189**: 321
Lord, J.S., Muon spin resonance in ferromagnets **177/181**: 1470
Lorenz, R., see Bogner, J. **177/181**: 839
Lösch, J., see Memmert, U. **190**: 124
Loshkareva, N.N., see Sukhorukov, Yu.P. **183**: 356
Loukas, M.E., see Mandal, K. **175**: 255
Loulidi, M., see Bengrine, M. **183**: 334
Lourenço, A.A.C.S., see Amaral, V.S. **177/181**: 511
Lu, J.J. and H.L. Huang, Noise in the magnetic recording media **177/181**: 905
Lu, L.-Y., see Tang, W. **184**: 209
Lu, L., see Bansmann, J. **185**: 94
Lu, L., see Wang, X. **189**: 96
Lu, L.Y., see Jin, Z.Q. **185**: 71
Lu, L.Y., see Jin, Z.Q. **187**: 231
Lu, M., see Du, J. **177/181**: 1209
Lu, M., see Tong, L.N. **177/181**: 1211
Lu, M., see Kang, S.S. **177/181**: 1313
Lu, M., see Wang, C.S. **183**: 241
Lu, M., see Kang, S.S. **187**: 154
Lu, Q.F., see Adachi, Y. **177/181**: 1061
Lubecka, M., see Maksymowicz, L.J. **177/181**: 1265
Lucari, F., see Gubbiotti, G. **177/181**: 1259
Lucari, F., see Dormann, J.L. **183**: L255
Lucari, F., see Dormann, J.L. **187**: L139
Luce, J.L., see Fisher, R.A. **177/181**: 787
Lucena, M., see Azevodo, A. **177/181**: 1177
Lucena, M.A., see Rezende, S.M. **177/181**: 1213
Lucinski, T., see Reiss, G. **184**: 281
Luciński, T., F. Stobiecki, D. Elefant, D. Eckert, G. Reiss, B. Szymański, J. Dubowik, M. Schmidt, H. Rohrmann and K. Roell, The influence of sublayer thickness on GMR and magnetisation reversal in perm-alloy/Cu multilayers **174**: 192
Luciński, T., G. Reiss, N. Mattern and L. van Loyen, The absence of antiferromagnetic coupling and GMR effect in evaporated permalloy/Cu multilayers, in situ transport properties **189**: 39
Luciński, T., see Urbaniak, M. **190**: 187
Lücke, M., see Recktenwald, A. **188**: 326
Lüders, K., see Gippius, A.A. **184**: 358
Lukatela, J., see Kokanović, I. **188**: 138
Luke, G.M., Y. Fudamoto, M.J.P. Gingras, K.M. Kojima, M. Larkin, J. Merrin, B. Nachumi and Y.J. Uemura, Spin freezing and ordering in CaV_4O_9, CaV_3O_7 and CaV_2O_5 **177/181**: 754
Luke, G.M., see Merrin, J. **177/181**: 799
Luo, H., see Chang, W.C. **172**: 277
Luo, H., see Pringle, O.A. **183**: 81
Luo, H.-L., see Hou, D.-L. **188**: 169
Lütgemeier, H., see Štěpánková, H. **177/181**: 239
Lütgemeier, H., see Štěpánková, H. **177/181**: 253
Lütgemeier, H., see Štěpánková, H. **185**: 225
Lüthi, B., see Sieling, M. **177/181**: 695
Lutz, T., see Estournès, C. **173**: 83
Lyberatos, A., Monte Carlo simulation of the effects of the local variation of the coercivity in magneto-optic media **186**: 248
Lyra, M.L., see Lima, A.V. **171**: 329

Ma, B.M., see Chang, W.C. **189**: 55
Mac, W., see Łazarczyk, P. **176**: 233
Macedo, W.A.A., see Santos, A. **177/181**: 247
Macedo, W.A.A., F. Sirotti, A. Schatz, D. Guarisco, G. Panaccione and G. Rossi, Magnetic linear dichroism in photoemission from Fe on $Cu_{84}Al_{16}(1\,0\,0)$ and $Cu_3Au(1\,0\,0)$ **177/181**: 1262
Machi, T., M. Kosuge, N. Koshizuka and H. Yasuoka, NQR study in $YBa_2Cu_4O_8$ under high pressure **177/181**: 525
Machida, K., see Arlot, R. **172**: 119
MacLaughlin, D.E., see Nieuwenhuys, G.J. **177/181**: 803
MacManus-Driscoll, J., see Ghivelder, L. **189**: 274
Madurga, V., R.J. Ortega, J. Vergara, S. Palacios, E. Azcoiti and K.V. Rao, Controlled anisotropic GMR in laser ablated Cu–Co thin films **177/181**: 945
Maeda, M., see Okumura, Y. **185**: 249
Maeda, Y., see Homma, T. **173**: 314
Maeda, Y., see Suzuki, J. **184**: 116
Maegawa, S., see Hashi, K. **177/181**: 335
Maegawa, S., see Oyamada, A. **177/181**: 343
Maegawa, S., see Inami, T. **177/181**: 752
Maegawa, S., see Kubo, T. **177/181**: 829
Maehira, T., M. Higuchi and A. Hasegawa, Origin of the frequency branch γ of the de Haas–van Alphen effect in $CeSn_3$ **177/181**: 381
Maekawa, S., Electronic structure in manganites (*Invited paper*) **177/181**: 850
Maezawa, K., see Takabatake, T. **177/181**: 277
Maezawa, K., see Izawa, K. **177/181**: 395
Maezawa, K., see Sato, H. **177/181**: 409
Maezawa, K., see Takashita, M. **177/181**: 417
Magishi, K., see Kitaoka, Y. **177/181**: 487
Maicas, M., see Prieto, J.L. **177/181**: 215
Maier, J., see Mohan, Ch.V. **183**: 348
Maignan, A., see Damay, F. **183**: 143
Maignan, A., see Damay, F. **184**: 71

Maignan, A., A. Sundaresan, U.V. Varadaraju and B. Raveau, Magnetization relaxation and aging in spin-glass $(La,Y)_{1-x}Ca_xMnO_3$ ($x = 0.25$, 0.3 and 0.5) perovskite **184**: 83

Maignan, A., C. Martin, F. Damay, M. Hervieu and B. Raveau, CMR properties of Cr-doped Mn(IV)-rich manganites $Ca_{1-x}Sm_xMnO_3$ **188**: 185

Maignan, A., see Damay, F. **190**: 221

Maignan, A., see Toulemonde, O. **190**: 307

Main, P.C., see Overend, N. **177/181**: 898

Majumdar, A.K., see Sinha, G. **185**: 18

Majumdar, A.K., see Chakraborty, S. **186**: 357

Majumdar, C.K., see Hartridge, A. **176**: L89

Majumdar, C.K., see Hartridge, A. **183**: L1

Makar, J.M. and B.K. Tanner, The in situ measurement of the effect of plastic deformation on the magnetic properties of steel. Part I – Hysteresis loops and magnetostriction **184**: 193

Makar, J.M. and B.K. Tanner, The in situ measurement of the effect of plastic deformation on the magnetic properties of steel Part II – Permeability curves **187**: 353

Makhlouf, S.A., see Kobayashi, Y. **176**: 164

Maki, K., T. Kaneko, H. Hiroyoshi and K. Kamigaki, Crystalline and magnetic properties of MnAs under pressure **177/181**: 1361

Maknani, J., see Dormann, J.L. **185**: 1

Maksymowicz, L.J., M. Lubecka and R. Jabłoński, Contribution of the close-to-surface grad(M) to the surface magnetic anisotropy energy in thin films of $CdCr_{2-2x}In_{2x}Se_4$ **177/181**: 1265

Malakhovskii, A., see Zabluda, V. **185**: 207

Malaman, B., see Welter, R. **187**: 278

Malandain, J.J., see De Pauw, V. **172**: 269

Maletta, H. and G. Ehlers, Magnetic order with frustrated moments in TbNiAl **177/181**: 797

Malik, S.K., see Awana, V.P.S. **187**: 192

Malini, K.A., see Anantharaman, M.R. **189**: 83

Małkiński, L., see Lachowicz, H.K. **190**: 267

Mallik, R., E.V. Sampathkumaran, M. Strecker, G. Wortmann, P.L. Paulose and Y. Ueda, Complex magnetism in a new alloy, Eu_2PdSi_3, with two crystallographically inequivalent sites **185**: L135

Mamiya, H. and I. Nakatani, Dynamic study of iron-nitride fine particle system: field dependence of the blocking temperature **177/181**: 966

Mamy, R., see Raquet, B. **184**: 41

Man, N.K., K.B. Garg, T.D. Hien, N.H. Sinh, N.X. Phuc and S. Venkatesh, X-ray photoelectron spectroscopies of Ni-doped Bi-2212 compounds **177/181**: 527

Manabe, T., see Katsumata, K. **177/181**: 626

Manago, T., see Kawaguchi, K. **177/181**: 1186

Manago, T., H. Miyajima, K. Kawaguchi, M. Sohma and I. Yamaguchi, Structural and magnetic properties of NiO/Pd multilayers **177/181**: 1191

Manaka, H. and I. Yamada, The Haldane-state realized in $(CH_3)_2CHNH_3CuCl_3$ Ferromagnetic–antiferromagnetic alternating Heisenberg chains with $S = \frac{1}{2}$ **177/181**: 681

Mandal, K., M.E. Loukas, A. Corey and D.L. Atherton, Magnetic Barkhausen noise indications of stress concentrations near pits of various depths **175**: 255

Manivel Raja, M., A. Narayanasamy, J. Voiron and R. Krishnan, Molecular field theory analysis of $(Er,Y)_2Fe_{14}B$ compounds **184**: 227

Manuel, P., see Stewart, J.R. **177/181**: 602

Mao, W.-H., see Yang, J.-B. **182**: 131

Maple, M.B., see Ueda, K. **177/181**: 467

Marabelli, F., see Bauer, E. **177/181**: 1401

Marashi, S.P.H., see Al-Khafaji, M.A. **190**: 48

Marest, G., see Shinde, S.R. **186**: 342

Marín, P., see Hernando, A. **177/181**: 959

Markandeyulu, G., see Shah, V.R. **190**: 233

Markert, J.T., see Xi, H. **175**: 319

Markiewicz, D.J., see Hawley, M.E. **190**: 89

Markin, P.E., see Baranov, N.V. **177/181**: 1133

Markin, P.E., see Andreev, S.V. **187**: 83

Markossian, S.A., see Dubenko, I.S. **177/181**: 571

Markosyan, A.S., see Levitin, R.Z. **177/181**: 563

Markosyan, A.S., see Dubenko, I.S. **177/181**: 571

Markosyan, A.S., see Gratz, E. **184**: 372

Markosyan, A.S., R. Hauser, M. Galli, E. Bauer, E. Gratz, G. Hilscher, K. Kamishima and T. Goto, Field and pressure dependence of itinerant electrons metamagnetism in $Er_{1-x}Y_xCo_2$ **185**: 235

Markvardsen, A.J., A.T. Boothroyd, B. Buck, G.J. McIntyre and Th. Wolf, Magnetisation density in single-crystal $PrBa_2Cu_3O_{6.24}$ **177/181**: 502

Marques, J.G., see Pereira de Azevedo, M.M. **173**: 230

Marques, J.G., see Amaral, V.S. **177/181**: 511

Marrows, C.H., see Overend, N. **177/181**: 898

Marrows, C.H., R. Loloee and B.J. Hickey, Scaling of the exchange interactions in Co/Cu multilayers with temperature **184**: 137

Marshall, A.F., see Klein, L. **188**: 319

Martin, C., see Damay, F. **183**: 143

Martin, C., see Damay, F. **184**: 71

Martin, C., see Maignan, A. **188**: 185

Martin, C., see Damay, F. **190**: 221

Martin, F., see Jakob, G. **177/181**: 1247

Martin, G.A.R., see Coverdale, G.N. **188**: 41

Martin, J.I., M. Velez, J. Nogues, A. Hoffmann, Y. Jaccard and I.K. Schuller, Pinning effects by arrays of magnetic dots on niobium film **177/181**: 915

Martinez, LI.M., see Grigorova, M. **183**: 163
Martins Alves, M.C., see Flores, W.H. **188**: 17
Marty, A., see Gehanno, V. **172**: 26
Marty, A., see Gehanno, V. **188**: 310
Martynova, J., H.L. Alberts and P. Smit, Composition–temperature and pressure–temperature magnetic phase diagrams of the Cr–Ir alloy system **187**: 345
Marumoto, K., F. Takayama and Y. Miyako, Crystal-field splitting of praseodymium in the dilute system $(Pr_xLa_{1-x})Ru_2Si_2$ **177/181**: 353
Maruyama, F., H. Nagai, Y. Amako, H. Yoshie and K. Adachi, NMR study of 2–17 cobalt-based intermetallic compounds with samarium **177/181**: 1128
Maruyama, H., see Matsuyama, H. **177/181**: 1029
Marzec, J., see Cottenier, S. **177/181**: 1083
Masaki, T., see Fujiwara, Y. **177/181**: 1173
Masheva, V., see Grigorova, M. **183**: 163
Masuda, A., see Minami, M. **177/181**: 1021
Masuda, S., see Kakuno, K. **177/181**: 1249
Masumoto, T., see Watanabe, M. **177/181**: 1231
Masumoto, T., see Kobayashi, N. **188**: 30
Matar, S.F., V. Eyert, A. Mavromaras, S. Najm, B. Chevalier and J. Etourneau, Chemical bonding and magnetism in the ternary germanides UT_2Ge_2 (T = 3d transition metal) from local spin density functional calculations **174**: 219
Matar, S.F., see Uhl, M. **187**: 201
Materials index **177/181**: 1496
Mathieu, C., see Hillebrands, B. **175**: 10
Mathur, N.D., see Julian, S.R. **177/181**: 265
Matlak, M., see Gosławska, E. **187**: 51
Matsubayashi, S., see Kurimoto, M. **177/181**: 245
Matsubayashi, S., F. Yakabe, M. Kurimoto, K. Shinagawa, T. Saito and T. Tsushima, Charge-transfer transitions of 4d- and 5d-transition elements in garnets **177/181**: 249
Matsuda, A., see Umehara, I. **177/181**: 1143
Matsuda, H., see Endo, K. **177/181**: 1437
Matsuda, K., Y. Kohori and T. Kohara, ^{105}Pd NMR and NQR studies in heavy-fermion superconductor UPd_2Al_3 **177/181**: 447
Matsuda, K., see Jamali, J.B. **177/181**: 789
Matsuda, M. and K. Katsumata, Magnetic properties of the quasi-one-dimensional compound $Ca_{2+x}Y_{2-x}Cu_5O_{10}$ **177/181**: 683
Matsuda, T.D., see Aoki, Y. **177/181**: 271
Matsuda, T.D., see Sato, H. **177/181**: 409
Matsuda, T.D., see Aoki, Y. **177/181**: 559
Matsukawa, M., K. Iwasaki, K. Noto, N. Kobayashi and Y. Shiohara, In-plane thermal conductivity of a large single crystal of $YBa_2Cu_3O_{7-x}$ in the mixed state **177/181**: 529
Matsumoto, N., see Kadomatsu, H. **188**: 213
Matsumoto, S., see Kitaoka, Y. **177/181**: 487
Matsumoto, T., see Haworth, C.J. **177/181**: 369
Matsumoto, T., see Aoki, H. **177/181**: 371
Matsumoto, T., see Takashita, M. **177/181**: 417
Matsumoto, T., see Tang, J. **177/181**: 465
Matsumoto, T., see Abe, H. **177/181**: 479
Matsumoto, T., see Tang, J. **177/181**: 1363
Matsumura, T., see Kimura, S. **177/181**: 349
Matsuo, A., R. Inutake, K. Shinagawa, T. Saito and T. Tsushima, Simulation of head–medium interaction in magnetic recording **177/181**: 909
Matsuoka, Y., Y. Nishimura, S. Mitsudo, H. Nojiri, H. Komatsu, M. Motokawa, K. Kakurai, K. Nakajima, Y. Karasawa and N. Niimura, Metamagnetic transition in $Y_2Cu_2O_5$ **177/181**: 729
Matsushita, A., see Tang, J. **177/181**: 465
Matsushita, N., K. Noma, S. Nakagawa and M. Naoe, Excellent crystallographic and perpendicular magnetic characteristics of Ba ferrite films deposited by gas mixture of Ar, Xe and O_2 **176**: 41
Matsushita, Y., see Oku, T. **188**: 291
Matsuura, M., H. Hiraka, H. Kimura, T. Takahashi, K. Yamada and Y. Endoh, Metal–insulator transition and antiferromagnetism in $NiS_{2-x}Se_x$ **177/181**: 1365
Matsuyama, H., K. Fukui, H. Maruyama, I. Harada and A. Kotani, Magnetic circular X-ray dichroism at the rare-earth $L_{2,3}$ edges **177/181**: 1029
Matsuyama, H., see Osgood III, R.M. **182**: 297
Matsuyama, K., H. Asada, F. Nakamura, K. Umezu and K. Taniguchi, Micromagnetics of magnetization switching in nanostructured multilayer **177/181**: 197
Mattern, N., see Reiss, G. **184**: 281
Mattern, N., see Luciński, T. **189**: 39
Mattheis, R., see Berkov, D.V. **182**: 81
Maurice, J.-L., D. Imhoff, P. Etienne, O. Durand, S. Dubois, L. Piraux, J.-M. George, P. Galtier and A. Fert, Microstructure of magnetic metallic super-lattices grown by electrodeposition in membrane nanopores **184**: 1
Maurice, J.L., see Petroff, F. **175**: 33
Mavromaras, A., see Matar, S.F. **174**: 219
May, F., P. Srivastava, M. Farle, U. Bovensiepen, H. Wende, R. Chauvistré and K. Baberschke, Element-specific Curie temperatures of Ni/Cu/Co trilayers **177/181**: 1220
Maya, N., see Kouzuki, A. **177/181**: 643
Mazhaev, A.V., see Mukhin, A.A. **183**: 160
McCann, S.M., P.R. Bissell, T. Onions and T. Mercer, Remanent state noise measurements on magnetic recording media **183**: 220
McCartney, M.R., see Dieny, B. **185**: 283

McCartney, S.E., see Pollard, R.J. **176**: 134
McCormick, P.G., see Ding, J. **171**: 309
McCormick, P.G., see Miao, W.F. **175**: 304
McCormick, P.G., see Ding, J. **177/181**: 931
McCormick, P.G., see Ding, J. **177/181**: 933
McCormick, P.G., see Geoghegan, D.S. **177/181**: 937
McCormick, P.G., see Miao, W.F. **177/181**: 976
McCormick, P.G., see Crew, D.C. **177/181**: 987
McCulloch, I.P. and M. Gulacsi, Strong coupling regime in the two-dimensional Hubbard model **184**: 316
McDonnell, M., R. Street, R.C. Woodward and J.N. Chapman, Magnetisation of thin films under oblique field conditions **177/181**: 1281
McEwen, K.A., see López de la Torre, M.A. **177/181**: 445
McEwen, K.A., see Watmough, M. **177/181**: 469
McGuiness, P.J., I. Škulj, A. Porenta and S. Kobe, Magnetic properties and microstructure in NdDyFeBZr–HDDR **188**: 119
McHenry, M.E., see Shah, V.R. **190**: 233
McIntyre, G.J., see Markvardsen, A.J. **177/181**: 502
McIntyre, G.J., see Parnell, S.R. **177/181**: 1014
McIntyre, G.J., see Palmer, S.B. **177/181**: 1023
McMorrow, D.F., see Coldea, R. **177/181**: 659
McMorrow, D.F., see Harris, M.J. **177/181**: 757
McMorrow, D.F., see Cowley, R.A. **177/181**: 1012
McMullan, G.J., see Julian, S.R. **177/181**: 265
Meersschaut, J., see Swinnen, B. **175**: 23
Meersschaut, J., see Cottenier, S. **177/181**: 1083
Mégy, R., see Ferré, J. **174**: 77
Mehta, G.K., see Shinde, S.R. **186**: 342
Mei, L., W.H. Liu, K. Ho, B.M. Lairson and F.B. Dunning, Magnetic force microscopy of high-density perpendicular magnetic recording media **187**: 268
Mei, W., T. Umeda, S. Zhou and R. Wang, Preparation and magnetostriction of Tb–Dy–Fe sintered compacts **174**: 100
Meisel, M.W., see Ward, B.H. **177/181**: 661
Meisel, M.W., see Goto, T. **177/181**: 663
Meiwes-Broer, K.H., see Bansmann, J. **185**: 94
Mekata, M., see Asano, T. **177/181**: 640
Mekata, M., see Uemura, Y.J. **177/181**: 701
Mekata, M., see Ajiro, Y. **177/181**: 707
Mekata, M., see Inagaki, Y. **177/181**: 723
Mekata, M., M. Abdulla, T. Asano, H. Kikuchi, T. Goto, T. Morishita and H. Hori, Magnetic ordering in triangulated kagomé lattice compound, $Cu_9Cl_2(cpa)_6 \cdot nH_2O$ **177/181**: 731
Mekki, A. and Kh.A. Ziq, Magnetic properties of a SiO_2–Na_2O–Fe_2O_3 glass and glass ceramic **189**: 207
Mélin, R. and F. Fominaya, A theoretical investigation of the specific heat of superlattices in a magnetic field **172**: 97
Melnichuk, I.A., see Gorobets, S.V. **182**: 61
Melnik, G.A., see Kaczmarska, K. **187**: 210
Melville, R.J., see Palmer, S.B. **177/181**: 1023
Memmert, U., P. Leinenbach, J. Lösch and U. Hartmann, Ultrahigh vacuum magnetic force microscopy: domain imaging on in situ grown Fe(1 0 0) thin films **190**: 124
Men'shikov, A.Z., see Forsyth, J.B. **177/181**: 1395
Mendes, J.A., see Pereira de Azevedo, M.M. **173**: 230
Mendes, J.A., see Amaral, V.S. **177/181**: 511
Mendus, T., see Jackson, M. **177/181**: 1287
Meng-Burany, X., see Panagiotopoulos, I. **172**: 225
Menovsky, A.A., see de Visser, A. **177/181**: 287
Menovsky, A.A., see Keller, N. **177/181**: 298
Menovsky, A.A., see de Visser, A. **177/181**: 435
Menovsky, A.A., see Ramakrishnan, S. **177/181**: 459
Menovsky, A.A., see Tung, L.D. **177/181**: 477
Menovsky, A.A., see Nieuwenhuys, G.J. **177/181**: 803
Menovsky, A.A., see Prokeš, K. **184**: 369
Mercer, T., see Sollis, P.M. **177/181**: 892
Mercer, T., see McCann, S.M. **183**: 220
Merenkov, D.N., see Gnatchenko, S.L. **186**: 139
Merrin, J., see Luke, G.M. **177/181**: 754
Merrin, J., Y. Fudamoto, K.M. Kojima, M. Larkin, G.M. Luke, B. Nachumi, Y.J. Uemura, S. Kondo and D.C. Johnston, Muon spin relaxation measurements of LiV_2O_4 **177/181**: 799
Merton, C., see Foss, S. **190**: 60
Merton, C., see Schmidt, J. **190**: 81
Merton, C., see Schmidt, J. **190**: 98
Merton, C., see Schmidt, J. **190**: 108
Mescheriakov, V.F., see Kreines, N.M. **177/181**: 1189
Mestnik Filho, J., see Carbonari, A.W. **177/181**: 1431
Metcalf, P., see Bao, W. **177/181**: 283
Metoki, N., Y. Haga, Y. Koike, N. Aso and Y. Onuki, Neutron scattering study of the correlation of magnetism and superconductivity in heavy-fermion superconductor UPd_2Al_3 **177/181**: 449
Meurdesoif, Y., see Kachkachi, H. **172**: 173
Meyer, P., see Jamet, J.P. **175**: 125
Meyer, R., see Entel, P. **177/181**: 1409
Mhirech, F., see Bengrine, M. **183**: 334
Miao, W.F., J. Ding, P.G. McCormick and R. Street, Magnetic behaviour of mechanically milled $(Nd_{1-x}Dy_x)_8Fe_{88}B_4$ **175**: 304
Miao, W.F., see Ding, J. **177/181**: 933
Miao, W.F., J. Ding, P.G. McCormick and R. Street, Remanence-enhanced $Nd_8Fe_{87}M_1B_4$ (M = Fe, V, Si, Ga, Cr) alloys **177/181**: 976
Mibu, K., T. Nagahama, T. Ono and T. Shinjo, Magnetoresistance of quasi-Bloch-wall induced in NiFe/CoSm exchange-spring bilayers **177/181**: 1267
Michels, T., see Langhammer, C. **177/181**: 443
Michor, H., see Doktor, M. **177/181**: 333
Michor, H., see El-Hagary, M. **177/181**: 551

Michor, H., see Kreiner, K. **177/181**: 581
Michor, H., see Javorský, P. **177/181**: 1052
Micklitz, H., see Wagener, W. **177/181**: 545
Micklitz, H., see Drescher, K. **182**: L275
Middleton, B.K., J.J. Miles and M. Aziz, High-density recording on magnetic thin film disk media **188**: 248
Middleton, D.P., see Long, G.J. **176**: 217
Middleton, D.P., see Pringle, O.A. **183**: 81
Miethaner, S., see Zölfl, M. **175**: 16
Mignot, J.-M., see Kohgi, M. **177/181**: 307
Mikeska, H.-J., see Tonegawa, T. **177/181**: 647
Mikeska, H.-J., see Yamaguchi, H. **177/181**: 750
Mikheev, M.G., see Warczewski, J. **175**: 299
Mikhov, M., see Grigorova, M. **183**: 163
Miles, J.J., see Jones, M. **171**: 190
Miles, J.J., see Middleton, B.K. **188**: 248
Milivojević, D., see Šošić, Z. **175**: 311
Mills, D.L., see Tang, H. **187**: 23
Milner, A.P., see Pasternak, M.P. **177/181**: 1377
Milner, A.P., see Pasternak, M.P. **183**: 185
Milnera, M., see Gratz, E. **184**: 372
Miltat, J., see Belliard, L. **190**: 1
Min, B.-K., see Kim, H.-S. **177/181**: 907
Min, B.I., J.D. Lee and S.J. Youn, Lattice dynamics in colossal magnetoresistance manganites **177/181**: 881
Min, B.I., see Kang, J.-S. **177/181**: 1033
Minami, M. and A. Masuda, Approximate estimation method of the degree of lanthanide tetrad effect and application to the tetrad effects in lanthanide ionic radii **177/181**: 1021
Ming, S.L., see Wang, H.Y. **176**: 159
Minin, V.I., see Ustinov, V.V. **177/181**: 1205
Mira, J., Influence of the lattice parameters on the magnetic properties of the weak ferromagnetic rare-earth cuprates $(R,R')_2CuO_4$ **176**: 248
Mira, J., see Señaris-Rodríguez, M.A. **177/181**: 935
Miranda, M.G.M., G.J. Bracho Rodríguez, A.B. Antunes, M.N. Baibich, E.F. Ferrari, F.C.S. da Silva and M. Knobel, Transport and structure of $Co_{10}Cu_{90}$ heterogeneous ribbons during annealing **185**: 331
Mirebeau, I., see Gavoille, G. **171**: 291
Mirebeau, I., see Nateprov, A. **172**: 193
Mirebeau, I., E. Suard, M. Hennion, M.T. Fernandez-Diaz, A. Daoud-Aladine and A. Nateprov, Chemical and magnetic order in $ZnMn_2As_2$ as studied by neutron diffraction **175**: 290
Mirebeau, I., see Uemura, Y.J. **177/181**: 701
Misawa, S., Fermi-liquid description for susceptibility maximum and near-metamagnetism in heavy-fermion compounds **177/181**: 325
Misbah-Ul-Islam, see Rana, M.U. **187**: 242
Mishra, S.R., see Long, G.J. **176**: 217
Mishra, S.R., see Pringle, O.A. **183**: 81
Mishra, S.R., see Long, G.J. **186**: 10
Misra, S.K., M.V. Rane, C. Srivastava and D. Bahadur, A variable temperature ferromagnetic resonance study of Ni–Zr-substituted non-stoichiometric barium ferrite samples **187**: 93
Mitamura, H., see Wada, H. **177/181**: 363
Mitamura, H., see Kanomata, T. **177/181**: 589
Mitamura, H., see Shiramura, W. **177/181**: 693
Mitani, S., H. Fujimori and S. Ohnuma, Temperature dependence of tunnel-type GMR in insulating granular systems **177/181**: 919
Mitani, S., see Takanashi, K. **177/181**: 1199
Mitani, S., see Kobayashi, N. **188**: 30
Mitani, S., see Wang, Z.J. **188**: L269
Mitani, T., see Furusawa, M. **177/181**: 1317
Mito, M., T. Kawae, M. Takumi, K. Nagata, M. Tamura, M. Kinoshita and K. Takeda, Pressure effects of a genuine organic ferromagnet p-NPNN **177/181**: 801
Mito, M., see Takeda, K. **177/181**: 817
Mitra, A., see Palit, S. **172**: 322
Mitsuda, A., see Wada, H. **177/181**: 363
Mitsudo, S., see Wang, Z.J. **176**: 127
Mitsudo, S., see Koizumi, A. **177/181**: 211
Mitsudo, S., see Matsuoka, Y. **177/181**: 729
Mitsudo, S., K. Hirano, H. Nojiri, M. Motokawa, K. Hirota, A. Nishizawa, N. Kaneko and Y. Endoh, Submillimeter wave ESR measurement of $LaMnO_3$ **177/181**: 877
Mitsudo, S., see Oki, A. **177/181**: 1089
Mitsudo, S., see Ohta, H. **177/181**: 1371
Mitsudo, S., see Wang, Z.J. **188**: L269
Mitsui, K., see Takahashi, M. **182**: 329
Mitsui, T., M. Nasui, N. Nakano, T. Kato, H. Tanaka and K. Iio, Magnetic and dielectric properties of $KNiCl_3$-type triangular lattice antiferromagnets with lattice distortion **177/181**: 1466
Miura, T., see Aoki, H. **177/181**: 371
Miura, T., see Takashita, M. **177/181**: 417
Miyagawa, K., see Akioka, K. **177/181**: 746
Miyajima, H., see Manago, T. **177/181**: 1191
Miyajima, H., see Hirohata, A. **177/181**: 1243
Miyajima, H., see Nozaki, Y. **177/181**: 1271
Miyake, K., see Aoki, Y. **177/181**: 271
Miyake, M., see Nunomura, N. **177/181**: 947
Miyakita, J., see Kubo, T. **177/181**: 829
Miyako, Y., see Marumoto, K. **177/181**: 353
Miyako, Y., see Dumpich, G. **177/181**: 377
Miyako, Y., see Taniguchi, T. **177/181**: 419
Miyako, Y., see Takeuchi, T. **177/181**: 1081
Miyashita, E., see Taguchi, R. **176**: 8
Miyashita, S., see Tonegawa, T. **177/181**: 647
Miyatani, K., see Wada, S. **177/181**: 1393
Miyauchi, Y., see Katayama, T. **177/181**: 1251

Miyazaki, S., M. Shirai and N. Suzuki, Electronic band structure of antiferromagnetic spinel Co_3S_4 **177/181**: 1367

Miyazaki, T., T. Saito and Y. Fujino, Magnetostrictive properties of sputtered binary Tb–Fe and pseudo-binary (Tb–Dy)–Fe alloy films **171**: 320

Miyazaki, T., see Yoshii, S. **177/181**: 427

Miyazaki, T., see Sato, H. **177/181**: 1197

Miyazaki, T., see Tezuka, N. **177/181**: 1283

Miyazaki, T., see Kato, H. **189**: 263

Miyazaki, T., see Han, X.-F. **190**: 257

Mizuno, K., see Saito, T. **177/181**: 557

Mizusaki, T., see Fujii, Y. **177/181**: 991

Mizushima, T., see Isikawa, Y. **177/181**: 391

Mizutani, K., see Nishioka, T. **177/181**: 451

Moch, P., see Chérif, S.M. **175**: 228

Mochimaru, J., see Kamimori, T. **177/181**: 1119

Mochizuki, K., see Xi, H. **175**: 319

Mock, S., see Takabatake, T. **177/181**: 277

Moeschler, F.D., see Bahaj, A.S. **177/181**: 1453

Moeschler, F.D., see Bahaj, A.S. **184**: 241

Mohallem, N.D.S., see Dias, A. **172**: L9

Mohan, Ch.V., M. Seeger and H. Kronmüller, Magnetic phase transition in amorphous Cr/TbDyFe thin-film multilayers **174**: 89

Mohan, Ch.V. and H. Kronmüller, Critical phenomena in amorphous thin- and ultra-thin-film multilayers **182**: 287

Mohan, Ch.V., M. Seeger, H. Kronmüller, P. Murugaraj and J. Maier, Critical behaviour near the ferro-magnetic–paramagnetic phase transition in $La_{0.8}Sr_{0.2}MnO_3$ **183**: 348

Mollema, R., see Lodder, J.C. **175**: 159

Momiji, H., K. Akagi, K. Adachi and M. Futamoto, Effects of Ar pressure during CoCrPt sputter-deposition on read/write and related properties of CoCrPt/Cr magnetic recording media formed at low temperatures **182**: 396

Monod, P., A.A. Stepanov, V.A. Pashchenko, J.P. Vieren, G. Desgardin and J. Jegoudez, Paramagnetic and antiferromagnetic resonance of CuO **177/181**: 739

Monsma, D.J., see Lodder, J.C. **175**: 159

Moon, Y.-M., see Kim, K.-S. **177/181**: 968

Moorthy, V., S. Vaidyanathan, T. Jayakumar and B. Raj, Microstructural characterization of quenched and tempered 0.2% carbon steel using magnetic Barkhausen noise analysis **171**: 179

Morales, M.P., M.J. Muñoz-Aguado, J.L. García-Palacios, F.J. Lázaro and C.J. Serna, Coercivity enhancement in γ-Fe_2O_3 particles dispersed at low-volume fraction **183**: 232

Morales, M.P., S.A. Walton, L.S. Prichard, C.J. Serna, D.P.E. Dickson and K. O'Grady, Characterisation of advanced metal particle recording media pigments **190**: 357

Moreira de Gama, E.A., see Barthem, V.M.T.S. **177/181**: 1065

Moreira, J.M., see Amaral, V.S. **177/181**: 511

Moreira, J.M., see Parnell, S.R. **177/181**: 1014

Moreira, R.L., see Dias, A. **172**: L9

Morellon, L., Z. Arnold, J. Kamarád, M.R. Ibarra and P.A. Algarabel, The magnetic phase transitions and related volume changes in $(Nd_{1-x}Tb_x)Mn_2Ge_2$ compounds **177/181**: 1085

Mori, K., see Adachi, Y. **177/181**: 1061

Mori, K., see Nishimura, K. **177/181**: 1087

Mori, S., see Harada, I. **177/181**: 665

Mori, Y., see Kamimori, T. **177/181**: 1119

Môri, N., see Nakama, T. **177/181**: 425

Morii, Y., see Tsuchiya, Y. **177/181**: 1447

Morii, Y., see Suzuki, J. **184**: 116

Morikawa, Y., see Sawada, H. **177/181**: 879

Morishita, K., see Kato, T. **177/181**: 831

Morishita, T., see Mekata, M. **177/181**: 731

Morishita, Y., see Sato, K. **177/181**: 1379

Morita, H., see Ebisu, S. **177/181**: 1073

Morkowski, J.A. and J. Loos, Magnon-assisted transport in 2D antiferromagnets **177/181**: 733

Morozkin, A.V., see Nikitin, S.A. **182**: 375

Morrow, T., see Papakonstantinou, P. **189**: 120

Mørup, S., see Johansson, C. **173**: 5

Mørup, S., see Bødker, F. **177/181**: 925

Mørup, S., see Hansen, M.F. **177/181**: 928

Mørup, S., see Hansen, M.F. **184**: 262

Mosbah, M.F., see Hadjoudj, S. **175**: 328

Moser, A., U. Krey, A. Paintner and B. Zellermann, Ab-initio calculations of the GMR-effect in Fe/V multilayers **183**: 272

Moser, A., H.J. Hug, B. Stiefel, H.-J. Güntherodt, Low temperature magnetic force microscopy on $YBa_2Cu_3O_{7-\delta}$ thin films **190**: 114

Moser, A., see Abelmann, L. **190**: 135

Moshchalkov, V.V., see Schad, R. **182**: 65

Moskowitz, B.M., see Roshko, R.M. **177/181**: 1461

Moskvin, A.S., see Sukhorukov, Yu.P. **183**: 356

Moskvin, A.S. and A.S. Ovchinnikov, Polar centers and unusual properties of manganites with nonisovalent substitution **185**: 174

Moskvin, A.S. and A.S. Ovchinnikov, The singlet–triplet magnetism in high-T_C cuprates **185**: 177

Moskvin, A.S. and A.S. Ovchinnikov, The singlet–triplet magnetism in the cuprates **186**: 288

Motizuki, K., see Takagaki, M. **177/181**: 1385

Motizuki, K., see Tanaka, N. **177/181**: 1387

Motohashi, K., see Nozaki, Y. **177/181**: 1271

Motokawa, M., see Wang, Z.J. **176**: 127

Motokawa, M., see Koizumi, A. **177/181**: 211

Motokawa, M., see Ohta, H. **177/181**: 341

Motokawa, M., see Sakon, T. **177/181**: 355

Motokawa, M., see Noguchi, S. **177/181**: 403

Motokawa, M., see Hiroi, M. **177/181**: 429
Motokawa, M., see Kimura, S. **177/181**: 624
Motokawa, M., see Hayashi, S. **177/181**: 667
Motokawa, M., see Nojiri, H. **177/181**: 687
Motokawa, M., see Takatsu, K. **177/181**: 697
Motokawa, M., see Matsuoka, Y. **177/181**: 729
Motokawa, M., see Okubo, S. **177/181**: 763
Motokawa, M., see Ikeuchi, Y. **177/181**: 765
Motokawa, M., see Mitsudo, S. **177/181**: 877
Motokawa, M., see Oki, A. **177/181**: 1089
Motokawa, M., see Takahashi, K. **177/181**: 1097
Motokawa, M., see Ohta, H. **177/181**: 1371
Motokawa, M., see Okuda, K. **177/181**: 1375
Motokawa, M., see Wang, Z.J. **188**: L269
Motokawa, M., see Kato, H. **189**: 263
Motoya, K., see Itoh, M. **177/181**: 583
Motoya, K., K. Nakaguchi, A. Nakaju, K. Ishiguchi, T. Kawasaki, M. Itoh, Y. Ueda and S. Shin, NMR and neutron scattering studies of metallic phase of $(V_{1-x}Ti_x)_2O_3$ **177/181**: 593
Moudden, H., see Szeftel, J. **187**: 261
Moukarika, A., see Chen, Z. **177/181**: 1109
Mouloud, S., see Jourdan, M. **177/181**: 431
Moussa, F., see Hennion, M. **177/181**: 858
Moze, O., see Giovanelli, L. **177/181**: 1044
Moze, O., L. Giovanelli, W. Kockelmann, C.H. de Groot, F.R. de Boer and K.H.J. Buschow, Structure and magnetic properties of $Nd_2Co_{17-x}Ga_x$ compounds studied by magnetic measurements and neutron diffraction **189**: 329
Mueller, R.M., see Köbler, U. **188**: 333
Muhge, Th., see Ge, S.-H. **177/181**: 1179
Mukai, K., see Jamali, J.B. **177/181**: 789
Mukai, K., see Takeda, K. **177/181**: 817
Mukhin, A.A., V.D. Travkin, S.P. Lebedev, A.S. Prokhorov, J. Hejtmanek, V. Nekvasil and V. Zelezny, Far-infrared properties and magnetic excitations in $PrBa_2Cu_3O_6$ **177/181**: 531
Mukhin, A.A., V.D. Travkin, S.P. Lebedev, A.S. Prokhorov and A.M. Balbashov, Gyrotropic properties of antiferromagnets near AFMR: submillimeter quasi-optical spectroscopy of $YFeO_3$ and Cr_2O_3 **183**: 157
Mukhin, A.A., V.D. Travkin, V.Yu. Ivanov, S.P. Lebedev, A.A. Volkov, A.M. Balbashov, A.V. Mazhaev, A.M. Kadomtseva, Yu.F. Popov and G.P. Vorob'ev, Submillimeter spectroscopy and magnetic study of $La_{1-x}Sr_xMnO_3$ ferromagnets **183**: 160
Mukhopadhyay, S.C., M. Iwahara, S. Yamada and F.P. Dawson, Design and performance analysis by means of Tableau approach of passive fault-current limiter using steel core **177/181**: 999
Mulder, F.M., see Hamasaki, T. **177/181**: 1105
Mulders, A.M., P.C.M. Gubbens, U. Gasser, C. Baines and K.H.J. Buschow, Two magnetic moments observed at the Tm site in the magnetic superconductor $TmNi_2B_2C$ **177/181**: 555
Mulheran, P.A., see Duffy, D.M. **177/181**: 953
Müller, A., see Hillebrands, B. **175**: 10
Müller-Hartmann, E., U. Köbler and L. Smardz, Competing non-Heisenberg interactions in $Eu_xSr_{1-x}S$ **173**: 133
Müller, J., see Weiden, M. **177/181**: 743
Müller, K.-H., see Gebel, B. **174**: L1
Müller, K.-H., see Kaczmarek, W.A. **177/181**: 912
Müller, K.-H., see Idzikowski, B. **177/181**: 941
Müller, K.-H., see Geoghegan, D.S. **177/181**: 1478
Müller, K.-H., see Drzazga, Z. **182**: 225
Müller, K.-H., see Freudenberger, J. **187**: 309
Müller, K.H., see Gutfleisch, O. **183**: 359
Müller, M., T. Lederer, K.H. Fornacon and R. Schäfer, Grain structure, coercivity and high-frequency noise in soft magnetic Fe–81Ni–6Mo alloys **177/181**: 231
Müller, M., see Kaczkowski, Z. **185**: 109
Müller, M., see Kaczkowski, Z. **185**: 115
Münnemann, A., see Güntherodt, G. **175**: 63
Muñiz, P., see Riveiro, J.M. **188**: 153
Muñoz-Aguado, M.J., see Morales, M.P. **183**: 232
Muñoz, J.S., see Grigorova, M. **183**: 163
Muñoz, J.S., see Lachowicz, H.K. **190**: 267
Murai, T., see Li, X.G. **190**: 277
Murakami, S., see Kobayashi, N. **188**: 30
Murakami, T., see Yamada, Y. **177/181**: 1397
Murani, A.P., see Raymond, S. **190**: 245
Muraoka, H., see Nakashio, E. **176**: 46
Muraoka, H., see Yamada, H. **176**: 56
Muraoka, H., see Takano, K. **176**: 61
Muraoka, H., Y. Satoh and Y. Nakamura, Multi-track recording utilizing multi-level partial response **176**: 73
Muraoka, Y., see Idogaki, T. **171**: 83
Muraoka, Y., M. Kanemaru and T. Idogaki, Ground-state phase diagram of A3NNI model with arbitrary spin quantum number **177/181**: 773
Murata, K., see Yuasa, S. **177/181**: 1296
Murayama, S., see Sekine, C. **177/181**: 411
Murayama, S., see Oba, N. **177/181**: 1439
Murayama, S., see Takano, H. **177/181**: 1445
Murayama, S., see Tsuchiya, Y. **177/181**: 1447
Murthy, S., see Kadolkar, C.Y. **177/181**: 638
Murthy, V.R.K., see Komalamba, B. **173**: 59
Murugaraj, P., see Mohan, Ch.V. **183**: 348
Mydlarz, T., see Talik, E. **186**: 33
Mydlarz, T., see Jendrzejewska, I. **186**: 381
Mydlarz, T., see Talik, E. **189**: 183
Mydosh, J., see Ramakrishnan, S. **177/181**: 459
Mydosh, J.A., see Nieuwenhuys, G.J. **177/181**: 803
Myles, D., see Forsyth, J.B. **177/181**: 1395

Nabialek, A., see Troyanchuk, I.O. **176**: 267
Nachumi, B., see Luke, G.M. **177/181**: 754
Nachumi, B., see Merrin, J. **177/181**: 799
Nadolski, S., see Jedryka, E. **177/181**: 1183
Nagahama, T., see Mibu, K. **177/181**: 1267
Nagai, H., see Yoshie, H. **177/181**: 481
Nagai, H., see Maruyama, F. **177/181**: 1128
Nagai, H., T. Yokoyama, S. Katsuyama, Y. Amako, H. Yoshie and K. Adachi, The anomalous behaviour of the electrical resistivities of $Gd(Fe,Mn)_2$ and $Gd_6(Fe,Mn)_{23}$ **177/181**: 1131
Nagamine, L.C.C.M., A. Chamberod, P. Auric, S. Auffret and L. Chaffron, Giant magnetoresistance and magnetic properties of $(Co_{0.7}Fe_{0.3})_{20}Cu_{80}$ prepared by mechanical alloying **174**: 309
Nagamori, H., see Igaki, M. **183**: 209
Nagarajan, R., see Hossain, Z. **184**: 235
Nagasawa, H., see Hayashi, S. **177/181**: 667
Nagasawa, H., see Okubo, S. **177/181**: 763
Nagasima, T., A. Oguri and H. Ishii, s–f exchange interaction and RKKY interaction in Pr intermetallic compounds **177/181**: 1008
Nagata, K., see Hayashi, M. **171**: 170
Nagata, K., see Mito, M. **177/181**: 801
Nagata, N., see Kimishima, Y. **177/181**: 547
Nagata, S., see Ebisu, S. **177/181**: 1073
Nagata, S., see Tang, J. **177/181**: 1363
Nagata, T., see Kitaoka, Y. **177/181**: 487
Najm, S., see Matar, S.F. **174**: 219
Nakagawa, M., see Hirayama, T. **177/181**: 521
Nakagawa, M., S. Utsumi, T. Hirayama, A. Sumiyama and Y. Oda, Measurement of paramagnetic Meissner effect in s-wave superconductor **177/181**: 533
Nakagawa, S., see Matsushita, N. **176**: 41
Nakagawa, Y., see Hori, T. **177/181**: 1423
Nakagawa, Y., see Hori, T. **177/181**: 1425
Nakaguchi, K., see Motoya, K. **177/181**: 593
Nakahigashi, K., see Okuda, K. **177/181**: 1375
Nakaike, S., see Endo, S. **177/181**: 1075
Nakajima, K., see Matsuoka, Y. **177/181**: 729
Nakajima, K., see Ono, T. **177/181**: 735
Nakajima, N., see Iwasa, K. **177/181**: 393
Nakajima, N., see Katayama, T. **177/181**: 1251
Nakaju, A., see Motoya, K. **177/181**: 593
Nakama, T., Y. Uwatoko, T. Kohama, A.T. Burkov, Y. Yamaguchi, H. Yoshida, S. Abe, T. Kaneko, N. Môri and K. Yagasaki, Pressure effect on superconducting transition temperature of $Ce_{1-x}La_xRu_2$ **177/181**: 425
Nakama, T., see Burkov, A.T. **177/181**: 1067
Nakama, T., see Burkov, A.T. **177/181**: 1069
Nakama, T., T. Kohama, T. Shimoji, Y. Uwatoko, T. Ohki, H. Fujii, A.T. Burkov, H. Niki and K. Yagasaki, Thermopower of Fe_2P in magnetic fields up to 15 T **177/181**: 1369
Nakamoto, G., see Takabatake, T. **177/181**: 277
Nakamoto, G., see Hiraoka, T. **177/181**: 383
Nakamoto, G., see Izawa, K. **177/181**: 3395
Nakamura, A., see Wada, H. **177/181**: 363
Nakamura, F., see Matsuyama, K. **177/181**: 197
Nakamura, H., F. Takayanagi and M. Shiga, NMR of the helical magnet YMn_2 **177/181**: 595
Nakamura, H., see Tsuchiya, Y. **177/181**: 1447
Nakamura, K., see Kishimoto, Y. **177/181**: 367
Nakamura, K., see Kouzuki, A. **177/181**: 643
Nakamura, M., see Yoshizawa, M. **177/181**: 305
Nakamura, S., K. Nanba and S. Iida, Possible giant magnetoresistance effect in $La_{1-x}A_xMnO_3$ (A: Li, Na) **177/181**: 884
Nakamura, Y., see Nakashio, E. **176**: 46
Nakamura, Y., see Yamada, H. **176**: 56
Nakamura, Y., see Takano, K. **176**: 61
Nakamura, Y., see Muraoka, H. **176**: 73
Nakanishi, Y., see Sakon, T. **177/181**: 355
Nakano, H., see Hosokoshi, Y. **177/181**: 634
Nakano, H., Y. Hosokoshi and M. Takahashi, Spin-$\frac{1}{2}$ Heisenberg model with ferromagnetic and antiferromagnetic interactions on a honeycomb lattice **177/181**: 717
Nakano, H., see Takeda, K. **177/181**: 817
Nakano, N., see Mitsui, T. **177/181**: 1466
Nakashio, E., I. Watanabe, H. Muraoka and Y. Nakamura, Effects of a liquid-nitrogen shroud on the depositing of soft magnetic films **176**: 46
Nakata, Y., M. Yoshikawa and Y. Hirotsu, Band calculations of artificially ordered $L1_0$ type alloys **177/181**: 1175
Nakata, Y., see Tanaka, H. **177/181**: 1468
Nakatani, I., see Taniyama, T. **177/181**: 263
Nakatani, I., see Mamiya, H. **177/181**: 966
Nakatani, R., H. Hoshiya, K. Hoshino and Y. Sugita, Relationship between film structure and exchange coupling in Mn–Ir/Ni–Fe films **173**: 321
Nakatani, Y., see Uesaka, Y. **174**: 203
Nakayama, T., see Taguchi, R. **176**: 8
Nakazawa, H., see Yamada, H. **183**: 94
Nakielski, G., see Baumann, M. **177/181**: 3497
Nakotte, H., see de Châtel, P.F. **177/181**: 785
Nakotte, H., see Baranov, N.V. **177/181**: 1133
Nakotte, H., see Javorský, P. **186**: 373
Nam, D.N.H., L.D. Tung, P. Nordblad, N.P. Thuy and N.X. Phuc, Magnetic anomalies of polycrystalline $La_2Co_{1.7}$ compound in the temperature range 5–400 K **177/181**: 1135
Namikawa, T., see Kakizaki, K. **176**: 36
Nanba, K., see Nakamura, S. **177/181**: 884
Nanba, T., see Ohta, H. **177/181**: 341
Naoe, M., see Matsushita, N. **176**: 41
Narayanasamy, A., see Manivel Raja, M. **184**: 227
Narayanasamy, A., see Anantharaman, M.R. **189**: 83

Narikiyo, O., Nested spin-fluctuation theory for spin-gap behaviors of thermodynamic properties in the normal state of high-T_c cuprates **177/181**: 507
Narlikar, A.V., see Awana, V.P.S. **182**: L280
Narlikar, A.V., see Awana, V.P.S. **187**: 192
Narumi, Y., see Sato, R. **177/181**: 645
Narumi, Y., R. Sato, K. Kindo and M. Hagiwara, Magnetic property of an $S = 1$ antiferromagnetic dimer compound **177/181**: 685
Nasui, M., see Mitsui, T. **177/181**: 1466
Nateprov, A., I. Tomak, J. Heimann, J. Cisowski and I. Mirebeau, Ferrimagnetic-like behavior of $ZnMn_2As_2$ **172**: 193
Nateprov, A., see Mirebeau, I. **175**: 290
Nath, K.G., see Kimura, S. **177/181**: 349
Naumov, S.V., see Sukhorukov, Yu.P. **183**: 356
Navarro, E., see Del Bianco, L. **177/181**: 939
Negishi, H., A. Yamasaki, M. Sasaki, M. Inoue and H. Kadomatsu, Time decay of thermoremanent magnetization and relaxation spectra in the cluster glass of itinerant magnetic Fe_xTiS_2 **185**: 85
Nègre, N., see Raquet, B. **184**: 41
Negro, C., see Dufour, J. **172**: 308
Neiman, A., see Dikshtein, I. **188**: 301
Nekvasil, V., see Mukhin, A.A. **177/181**: 531
Nekvasil, V., S. Jandl, T. Strach, T. Ruf and M. Cardona, On the multiple peak structure of electronic Raman scattering spectra in Ce-doped Nd_2CuO_4 **177/181**: 535
Nenkov, K., see Freudenberger, J. **187**: 309
Nenkov, K.A., see Khlybov, E.P. **188**: 219
Neogy, D., P.K. Chakrabarti, K.N. Chattopadhyay and B.M. Wanklyn, Experimental and theoretical studies on the magnetic behavior of Nd^{3+} in $NdPO_4$ **173**: 167
Nethe, A. and H.-D. Stahlmann, Remarks on the interaction between magnetic core coils in the presence of magnetic fluids **189**: 255
Neto, J.M., see Tavares, S.S.M. **182**: 193
Neu, V., A. Hubert and L. Schultz, Modelling of the enhanced remanence of nanocrystalline, exchange-coupled hard magnetic grains **189**: 391
Neubauer, M., N. Reinecke, A. Kulinska, K.P. Lieb, M. Uhrmacher, P. Wodniecki, M. Störmer and H.U. Krebs, PAC measurements in laser deposited Ag/Fe and In/Fe alloys **189**: 8
Neuendorf, H. and W. Gunßer, Transition from quasi-one-dimensional to spin-glass behaviour in insulating $FeMg_2BO_5$ **173**: 117
Neumaier, K., see Takabatake, T. **177/181**: 277
Neumann, K.-U., see Smith, T.J. **177/181**: 543
Neumann, K.-U., see Parsons, M.J. **184**: 184
Neumann, M., see Ślebarski, A. **185**: 43
Neumann, M., see Talik, E. **186**: 33
Neumann, M., see Talik, E. **189**: 183
Neuweiler, A., see Lachowicz, H.K. **173**: 287
Neuweiler, A. and H. Kronmüller, Magnetization processes in amorphous and nanocrystalline FeCuNbSiB thin films **177/181**: 1269
Nevriva, M., see Toulemonde, O. **190**: 307
Newbury, R., see Overend, N. **177/181**: 898
Newman, D.M., see Carey, R. **175**: 99
Ng, S.-C., see Liu, X. **184**: 344
Ng, S.C., see Li, Y. **187**: L273
Nguyen, V.N., see Kotsanidis, P.A. **176**: 255
Nguyen Van Dau, F., see Postava, K. **172**: 199
Nguyen Van Dau, F., see Jaffres, H. **184**: 19
Ni, C., see Chen, Z. **186**: 41
Ni, C.Y., see Dimitrov, D. **177/181**: 1308
Ni, C.Y., see Dimitrov, D.V. **189**: 25
Niarchos, D., see Speliotis, A. **187**: 17
Nie, X., see Sun, H. **176**: 213
Nie, X.-F., see Hou, D.-L. **188**: 169
Nie, X.F., see Tang, G.D. **185**: 379
Niebergall, L., see Rennert, P. **177/181**: 1275
Nielsen, O.V., see Füzer, J. **188**: 286
Nientiedt, A., see Reehuis, M. **177/181**: 805
Nieuwenhuys, G.J., see El Massalami, M. **172**: 139
Nieuwenhuys, G.J., see Ramakrishnan, S. **177/181**: 459
Nieuwenhuys, G.J., S. Suellow, A.A. Menovsky, J.A. Mydosh, R.H. Heffner, L.P. Le, D.E. MacLaughlin, O.O. Bernal and A. Schenck, μ^+SR in the random bond spin glass URh_2Ge_2 **177/181**: 803
Nihtianova, D., see Grigorova, M. **183**: 163
Niida, H., see Hori, T. **177/181**: 1423
Niimura, N., see Matsuoka, Y. **177/181**: 729
Niki, H., see Nakama, T. **177/181**: 1369
Nikitin, S.A., I.A. Tskhadadze, I.V. Telegina, A.V. Morozkin and Yu.D. Seropegin, Magnetic properties of RTiGe compounds **182**: 375
Nikitin, S.A., see Bodryakov, V.Yu. **188**: 161
Nikitov, S.A., see Boyle, J.W. **173**: 241
Nishi, M., see Yamada, I. **177/181**: 703
Nishi, M., see Shigeoka, T. **177/181**: 1093
Nishigori, S., see Ito, T. **177/181**: 1079
Nishimoto, S. and Y. Ohta, Magnetism and superconductivity of strongly correlated BEDT-TTF salts: An exact-diagonalization study **177/181**: 505
Nishimura, K., see Kuwai, T. **177/181**: 399
Nishimura, K., M. Yamatoto and K. Mori, Magnetic and thermal properties of RAu_2Ge_2 **177/181**: 1087
Nishimura, Y., see Matsuoka, Y. **177/181**: 729
Nishino, T., see Tonegawa, T. **177/181**: 647
Nishino, T., see Kato, T. **177/181**: 831
Nishioka, T., see Ido, H. **177/181**: 385
Nishioka, T., see Ushida, Y. **177/181**: 423

Nishioka, T., K. Mizutani, S. Taniguchi and M. Kontani, Anomalous low-temperature behavior in Th_2Zn_{17}-type $U_2Cu_xAl_{17-x}$ **177/181**: 451
Nishioka, T., see Ohno, T. **177/181**: 453
Nishizaki, T., see Kobayashi, N. **177/181**: 875
Nishizawa, A., see Hirota, K. **177/181**: 864
Nishizawa, A., see Mitsudo, S. **177/181**: 877
Nitsch, K., see Šteěpánková, H. **185**: 225
Noami, K., see Adachi, Y. **177/181**: 1061
Nobata, T., see Hiraoka, T. **177/181**: 383
Nogaret, A., see Overend, N. **177/181**: 898
Noguchi, S., K. Okuda, H. Nojiri and M. Motokawa, Magnetic properties of CeSi single crystal **177/181**: 403
Nogues, J., see Martin, J.I. **177/181**: 915
Nogues, M., see Dormann, J.L. **185**: 1
Noguès, M., see Dormann, J.L. **187**: L139
Nohara, M., see Azuma, M. **177/181**: 655
Nojiri, H., see Sakon, T. **177/181**: 355
Nojiri, H., see Noguchi, S. **177/181**: 403
Nojiri, H., see Hiroi, M. **177/181**: 429
Nojiri, H., see Hayashi, S. **177/181**: 667
Nojiri, H., T. Hamamoto, O. Fujita, J. Akimitsu, S. Takagi and M. Motokawa, ESR study of the field-induced magnetic phase of spin-Peierls $CuGeO_3$ and MEM(TCNQ)$_2$ **177/181**: 687
Nojiri, H., see Takatsu, K. **177/181**: 697
Nojiri, H., see Matsuoka, Y. **177/181**: 729
Nojiri, H., see Mitsudo, S. **177/181**: 877
Nojiri, H., see Takahashi, K. **177/181**: 1097
Nojiri, H., see Okuda, K. **177/181**: 1375
Noma, K., see Matsushita, N. **176**: 41
Nordblad, P., see Khan, F.A. **174**: 121
Nordblad, P., see Nam, D.N.H. **177/181**: 1135
Nordblad, P., see Granberg, P. **186**: 154
Noto, K., see Matsukawa, M. **177/181**: 529
Novak, M.A., see El Massalami, M. **188**: 379
Novák, P., see Štěpánková, H. **177/181**: 239
Novák, P., see Štěpánková, H. **185**: 225
Novikov, D.L., see Shick, A.B. **177/181**: 1223
Novosad, V., see Souche, Y. **177/181**: 1277
Novotny, M.A., M. Kolesik and P.A. Rikvold, Magnetization switching in single-domain ferromagnets **177/181**: 917
Nowik, I., I. Felner and E.R. Bauminger, Multiple magnetic phase transitions in $YbMn_2Si_{2-x}Ge_x$ **185**: 91
Noyel, G., see Payet, B. **186**: 168
Nozaki, Y., T. Ono, K. Motohashi, H. Miyajima and T. Kinoshita, Magnetization reversal process in micron-size ferromagnetic Co line array **177/181**: 1271
Nozawa, M., see Hiratsuka, N. **176**: 31
Nozières, J.P., see Hordequin, C. **183**: 225
Numazawa, J. and H. Ohshima, Prospect of 1 T bits/in^3 video data storage using perpendicular magnetic recording tape **176**: 1
Numazawa, J., see Taguchi, R. **176**: 8
Nunomura, N., T. Teranishi, M. Miyake, A. Oki, S. Yamada, N. Toshima and H. Hori, Magnetization of nano-fine particles of Pd/Ni alloys **177/181**: 947
Nunomura, N., see Oki, A. **177/181**: 1089
Nyvlt, M., see Krishnan, R. **175**: 90

O'Donovan, K.V., R.S. Beach, M.B. Salamon and C.P. Flynn, Orthorhombic distortions of Dy/Lu superlattices **186**: 161
O'Grady, K., see Rose, J. **177/181**: 223
O'Grady, K., R.L. White and P.J. Grundy, Whither magnetic recording (*Forum report*) **177/181**: 886
O'Grady, K., see Morales, M.P. **190**: 357
O'Neill, M.C., see Papakonstantinou, P. **189**: 120
O'Shea, M.J., see Hamdeh, H.H. **186**: 377
Oba, N., H. Takano, S. Murayama and K. Hoshi, Martensitic transformation and structural inhomogeneity in $Fe_{72}Pt_{28}$ induced by mechanical milling **177/181**: 1439
Oba, N., see Takano, H. **177/181**: 1445
Obara, A., see Bhar, G.C. **188**: 180
Obradors, X., see Ramos, C.A. **177/181**: 867
Ochiai, A., see Kohgi, M. **177/181**: 307
Ochiai, A., see Helfrich, R. **177/181**: 309
Ochiai, A., see Pittini, R. **177/181**: 345
Ochiai, A., see Iwasa, K. **177/181**: 393
Ocio, M., see Sappey, R. **177/181**: 957
Oda, K., see Idogaki, T. **171**: 83
Oda, Y., see Hirayama, T. **177/181**: 521
Oda, Y., see Nakagawa, M. **177/181**: 533
Odenbach, S. and H. Störk, Shear dependence of field-induced contributions to the viscosity of magnetic fluids at low shear rates **183**: 188
Odintsov, A.G., see Warczewski, J. **175**: 299
Ogale, S.B., see Shinde, S.R. **186**: 342
Ogasawara, F., see Shimizu, K. **177/181**: 1139
Ogasawara, H., see Kimura, S. **177/181**: 349
Ogawa, S., see Goto, T. **177/181**: 579
Ogawa, T., see Shirai, M. **177/181**: 1383
Oguri, A., see Nagasima, T. **177/181**: 1008
Oguri, A., see Ohgaki, H. **177/181**: 1010
Oguro, I., see Andoh, Y. **177/181**: 1063
Oh, Y.-J., see Lee, J.-G. **177/181**: 900
Oh, Y.-W., see Kim, H.-S. **177/181**: 907
Ohashi, M., see Koshikawa, Y. **173**: 72
Ohashi, M., see Takahashi, K. **177/181**: 1097
Ohashi, M., see Hori, T. **177/181**: 1423
Ohashi, M., see Onodera, H. **182**: 161
Ohashi, Y., see Kai, T. **183**: 292
Ohgaki, H., A. Oguri and H. Ishii, Effect of Coulomb interaction on superconductivity for Van Vleck metals **177/181**: 1010
Ohishi, T., see Sato, S. **177/181**: 689
Ohki, T., see Nakama, T. **177/181**: 1369

Ohkoshi, M., S. Yamamoto and M. Tanahara, Structure and magnetic properties in Co/Cu multilayers with less than monolayer growth **177/181**: 1193
Ohkubo, N., see Ban, S. **177/181**: 475
Ohkubo, N., K. Itoh, S. Ban and K. Kanematsu, Mössbauer studies on effects of Be for magnetic properties of rare-earth intermetallic compounds $R_2Fe_{17}Be$ **177/181**: 1137
Ohkuni, H., see Aoki, Y. **177/181**: 271
Ohkuni, H., see Haga, Y. **177/181**: 437
Ohm, T., see Caneschi, A. **177/181**: 1330
Ohno, T., see Kishimoto, Y. **177/181**: 367
Ohno, T., Y. Homma, Y. Shiokawa, T. Nishioka, M. Kontani, K. Sumiyama and K. Suzuki, AC susceptibility of amorphous dense Kondo UPd_2Al_3 **177/181**: 453
Ohno, T., K. Koyama and H. Yasuoka, Changes in the on-site holes of plane site Cu(2) and chain site Cu(1) in Pr-doped $Y_{1-x}Pr_xBa_2Cu_3O_{7-\delta}$ **177/181**: 537
Ohnuma, S., see Mitani, S. **177/181**: 919
Ohnuma, S., see Kobayashi, N. **188**: 30
Ohoyama, K., M. Kohgi, K. Hashi, A. Oyamada and T. Suzuki, A study of short-range spin correlations in Yb monopnictides **177/181**: 339
Ohoyama, K., see Takahashi, K. **177/181**: 1097
Ohsaki, K., see Li, X.G. **173**: 101
Ohshima, H., see Numazawa, J. **176**: 1
Ohsugi, S., see Kitaoka, Y. **177/181**: 487
Ohsugi, S., see Azuma, M. **177/181**: 655
Ohsumi, H. and K. Tajima, Effect of magnetic structures on crystal lattice in holmium **177/181**: 1151
Ohta, E., see Yokoyama, M. **183**: 173
Ohta, E., see Oku, T. **188**: 291
Ohta, H., T. Nanba, K. Lehnert, S.J. Allen, M. Motokawa, F. Iga and M. Kasaya, Spectroscopic study of Kondo insulator YbB_{12} using a free electron laser **177/181**: 341
Ohta, H., see Kimura, S. **177/181**: 624
Ohta, H., see Arioka, T. **177/181**: 653
Ohta, H., see Hayashi, S. **177/181**: 667
Ohta, H., see Akioka, K. **177/181**: 746
Ohta, H., see Okubo, S. **177/181**: 763
Ohta, H., see Ikeuchi, Y. **177/181**: 765
Ohta, H., T. Arioka, E. Kulatov, S. Mitsudo and M. Motokawa, Magnetoresistance measurements of $Fe_xCo_{1-x}Si$ **177/181**: 1371
Ohta, H., see Okubo, S. **177/181**: 1373
Ohta, H., see Okuda, K. **177/181**: 1375
Ohta, S., see Kanomata, T. **177/181**: 589
Ohta, S., see Yoshida, H. **177/181**: 1449
Ohta, Y., see Nishimoto, S. **177/181**: 505
Ohtsuka, N., see Harada, I. **177/181**: 665
Ohyama, K., see Hori, T. **177/181**: 1423
Oikawa, S., A. Shibata, S. Iwata and S. Tsunashima, Crystal structure and magnetic properties of Rh/Co/Rh sandwiches **177/181**: 1273
Oitmaa, J., ICM'97 Forum on quantum spin liquids (*Forum report*) **177/181**: 620
Oitmaa, J., see Kotov, V.N. **177/181**: 727
Oitmaa, J., see Shevchenko, P. **177/181**: 1168
Oka, N., see Saito, T. **177/181**: 557
Okamoto, I., see Abarra, E.N. **175**: 148
Okamoto, K., see Itoh, K. **190**: 176
Okamura, F.P., see Kino, Y. **177/181**: 243
Okamura, T., see Chihara, H. **177/181**: 1455
Oki, A., see Nunomura, N. **177/181**: 947
Oki, A., H. Hori, N. Nunomura, M. Kurisu, M. Furusawa, S. Yamada, Y. Andoh, S. Mitsudo, M. Motokawa and K. Kindo, Magnetoresistance and magnetization measurements in magnetically ordered GdNiSn **177/181**: 1089
Okońska-Kozłowska, I., see Jendrzejewska, I. **186**: 381
Oku, T., E. Ohta, T. Sato, M. Furusaka, M. Imai and Y. Matsushita, DC and AC magnetization and small-angle neutron scattering studies of strongly interacting particle systems **188**: 291
Okubo, S., see Arioka, T. **177/181**: 653
Okubo, S., see Akioka, K. **177/181**: 746
Okubo, S., M. Hayashi, H. Ohta, M. Motokawa, H. Kikuchi, H. Nagasawa and N. Kitamura, High-field magnetization measurement of $(Y_xNd_{1-x})_2BaNiO_5$ **177/181**: 763
Okubo, S., see Ikeuchi, Y. **177/181**: 765
Okubo, S., S. Kimura, H. Ohta and M. Itoh, ESR study of Mott–Hubbard insulators $YTiO_3$ and $LaTiO_3$ in submillimeter wave region **177/181**: 1373
Okuda, K., see Noguchi, S. **177/181**: 403
Okuda, K., S. Kawamata, K. Nakahigashi, H. Ishibashi, M. Hayashi, H. Ohta, H. Nojiri and M. Motokawa, Magnetic and electronic state of Co in $LaCoO_3$ **177/181**: 1375
Okuda, N., see Suzuki, T. **177/181**: 415
Okuda, T., see Adachi, N. **177/181**: 233
Okumura, H., K. Kakurai, Y. Yoshida, Y. Onuki and Y. Endoh, Magnetic structure of $CeCu_{6-x}Au_x$ **177/181**: 405
Okumura, Y., M. Yasui, T. Akita, M. Maeda, X.B. Yang and H. Fujimori, Effects of CrNiN pre-layer on magnetic properties and medium noise of CoCrTa longitudinal media **185**: 249
Okuno, T., see Fujii, Y. **177/181**: 991
Okusawa, N., see Katayama, T. **177/181**: 1251
Ol'khovik, L.P., Z.I. Sizova, Z.V. Golubenko and T.G. Kuz'micheva, Investigation of the critical (H–T)-parameters for the state of the $BaO \cdot Fe_2O_3$ nano-crystal system **183**: 181

Oleksyn, O., see Janssen, Y. **177/181**: 1147
Oleksyn, O., see Schobinger-Papamantellos, P. **182**: 96
Oleś, A.M., see Fleck, M. **177/181**: 599
Oleszak, D., see Jartych, E. **186**: 299
Oliveira, I.S., see Kapusta, C.z. **177/181**: 1121
Oliveira, I.S., see de Jesus, V.L.B. **177/181**: 1125
Oliver, F.W., see Seifu, D. **189**: 305
Olkhov, O.A., Damping rate for hydrodynamic spin waves **185**: 391
Olofa, S.A., see Tawfik, A. **174**: 133
Onagawa, J., see Ide, Y. **177/181**: 1245
Öner, Y., see Hadjoudj, S. **175**: 328
Öner, Y., A. Kilic, M. Özdemir and S. Senoussi, Resistance fluctuations in amorphous $Cr_{74}Fe_{26}$ films **185**: 305
Ong, C.K., see Zhang, G.W. **184**: 215
Ong, C.K., see Fang, H.C. **187**: 129
Ong, C.K., see Zhang, X.Y. **190**: 171
Onions, T., see McCann, S.M. **183**: 220
Ono, F., see Endo, S. **177/181**: 1075
Ono, K., see Goto, T. **177/181**: 1421
Ono, T., see Kobayashi, Y. **176**: 164
Ono, T., H. Tanaka, T. Kato, K. Iio, K. Nakajima and K. Kakurai, Phase transitions and critical phenomena of triangular antiferromagnetic system: $CsMn(Br_xI_{1-x})_3$ **177/181**: 735
Ono, T., see Hirohata, A. **177/181**: 1243
Ono, T., see Mibu, K. **177/181**: 1267
Ono, T., see Nozaki, Y. **177/181**: 1271
Ono, Y., J. Shiomi, H. Kato, T. Iriyama and T. Kajitani, X-ray diffraction study of $Sm_2(Fe_{1-x}Al_x)_{17}$ single crystals with $x =$ 0.058, 0.081 **187**: 113
Onodera, H., see Peng, D.L. **172**: 41
Onodera, H., see Koshikawa, Y. **173**: 72
Onodera, H., see Shiraishi, H. **177/181**: 1417
Onodera, H., see Hori, T. **177/181**: 1423
Onodera, H., Y. Koshikawa, M. Kosaka, M. Ohashi, H. Yamauchi and Y. Yamaguchi, Magnetic properties of single-crystalline $RNiC_2$ compounds (R = Ce, Pr, Nd and Sm) **182**: 161
Onuki, Y., see Aoki, Y. **177/181**: 271
Onuki, Y., see Yoshizawa, M. **177/181**: 305
Onuki, Y., see Settai, R. **177/181**: 357
Onuki, Y., see Sugawara, H. **177/181**: 359
Onuki, Y., see Sugiyama, K. **177/181**: 361
Onuki, Y., see Aoki, D. **177/181**: 365
Onuki, Y., see Imada, S. **177/181**: 387
Onuki, Y., see Inada, Y. **177/181**: 389
Onuki, Y., see Okumura, H. **177/181**: 405
Onuki, Y., see Sekine, C. **177/181**: 411
Onuki, Y., see Suzuki, T. **177/181**: 415
Onuki, Y., see Takashita, M. **177/181**: 417
Onuki, Y., see Haga, Y. **177/181**: 437
Onuki, Y., see Higuchi, M. **177/181**: 439
Onuki, Y., see Metoki, N. **177/181**: 449
Onyszkiewicz, Z. and A. Wierzbicki, Magnetic properties of quasi-low-dimensional Ising models **174**: 174
Ooiwa, K., see Endo, K. **177/181**: 1437
Ooiwa, K. and K. Endo, Nuclear magnetic relaxation in Heusler alloys Fe_2VGa and Fe_2VAl **177/181**: 1443
Oomi, G., see Prokeš, K. **184**: 369
Oosawa, Y., see Kawaguchi, K. **177/181**: 1186
Oppeneer, P.M., Magneto-optical spectroscopy in the valence-band energy regime: relationship to the magnetocrystalline anisotropy **188**: 275
Orendáč, M., see Anders, A.G. **187**: 125
Orendáčová, A., see Anders, A.G. **187**: 125
Ortega, R.J., see Madurga, V. **177/181**: 945
Orth, Th., see Chantrell, R.W. **177/181**: 894
Ortiz, W.A., see Galkin, V.Yu. **186**: L1
Osaka, T., see Homma, T. **173**: 314
Osaka, T., see Hoshi, Y. **176**: 51
Osgood III, R.M., S.D. Bader, B.M. Clemens, R.L. White and H. Matsuyama, Second-order magneto-optic effects in anisotropic thin films **182**: 297
Oshikiri, M., see Takehana, K. **177/181**: 699
Osthöver, C., P. Grünberg and R.R. Arons, Magnetic properties of doped $\{La_{0.67}Ba_{0.33}\}\{Mn_{1-y}A_y\}O_3$, A = Fe, Cr **177/181**: 854
Osthöver, C., see Voges, F. **190**: 183
Osumi, H., see Iwasa, K. **177/181**: 393
Oszajec, M., see Paja, A. **186**: 104
Ouahab, L., see Sutter, J.P. **171**: 147
Ouchi, K., see Keitoku, T. **176**: 25
Ouchi, K., see Kikawada, A. **176**: 66
Ouladdiaf, B., see Reehuis, M. **177/181**: 805
Ounadjela, K., see Gregg, J. **175**: 1
Ounadjela, K., see Piraux, L. **175**: 127
Ounadjela, K., see Ebels, U. **177/181**: 1239
Ousset, J.C., see Raquet, B. **184**: 41
Óvári, T.A., see Chiriac, H. **177/181**: 205
Ovchinnikov, A.S., see Sukhorukov, Yu.P. **183**: 356
Ovchinnikov, A.S., see Moskvin, A.S. **185**: 174
Ovchinnikov, A.S., see Moskvin, A.S. **185**: 177
Ovchinnikov, A.S., see Moskvin, A.S. **186**: 288
Overend, N., A. Nogaret, B.L. Gallagher, P.C. Main, M. Henini, R. Wirtz, R. Newbury, C.H. Marrows, M.A. Howson and S.P. Beaumont, Observation of giant magnetoresistances in hybrid semiconductor/ferromagnetic devices **177/181**: 898
Oyamada, A., see Hashi, K. **177/181**: 335
Oyamada, A., see Ohoyama, K. **177/181**: 339
Oyamada, A., K. Hashi, S. Maegawa, T. Goto, D.X. Li, T. Suzuki and F. Hulliger, Nuclear magnetic relaxation measurements in Yb-monopnictides **177/181**: 343

Ozawa, M., see Sakon, T. **177/181**: 355
Özdemir, M., see Öner, Y. **185**: 305
Özer, M., see Efthimiadis, K.G. **185**: 187

Paintner, A., see Moser, A. **183**: 272
Paixão, J.A., see Gonçalves, A.P. **189**: 283
Paja, A., T. Stobiecki, M. Oszajec and U. Krey, The resistivity of amorphous $Fe_{1-x}Zr_x$ alloys in the ferromagnetic region **186**: 104
Palacios, S., see Madurga, V. **177/181**: 945
Palewski, T., see Khlybov, E.P. **188**: 219
Palit, S., I. Chattoraj, V. Rao, S.K. Ghatak and A. Mitra, On "Influence of hydrogen on the magnetic properties of amorphous Fe–Si–B fibres" [J. Magn. Magn. Mater. 166 (1997) 186–192] **172**: 322
Palmer, S.B., see Parnell, S.R. **177/181**: 1014
Palmer, S.B., G.J. McIntyre, A.V. Andrianov and R.J. Melville, The c/a ratio of helical magnetic structures in rare-earth materials **177/181**: 1023
Palumbo, G., see Szpunar, B. **187**: 325
Palvadeau, P., see Léone, P. **172**: 153
Palvadeau, P., see Léone, P. **182**: 172
Pan, F., see Zhang, M. **182**: 89
Pan, H., Magnetic properties of $SmFe_{10.7}Mo_{1.3}$ with Ga substituted for Fe **184**: 365
Pan, H., Y. Chen, X. Han, C. Chen and F. Yang, Structural characterization of the ternary phase $R_3(Fe,Mo)_{29}$ (R = rare earth) **185**: 77
Pan, H., Magnetic properties of $Nd_3(Fe,Mo)_{29}$ compound and its nitride **185**: 231
Pan, H.G., see Han, X.-F. **190**: 257
Panaccione, G., see Macedo, W.A.A. **177/181**: 1262
Panagiotopoulos, I., X. Meng-Burany and G.C. Hadjipanayis, Granular $Nd_2Fe_{14}B$/W thin films **172**: 225
Panagiotopoulos, I., see Simopoulos, A. **177/181**: 860
Panchanathan, V., see Lewis, L.H. **175**: 275
Panchanathan, V., see Lewis, L.H. **176**: 288
Panissod, P., see Drillon, M. **188**: 93
Pankrats, A.I., see Vorotinov, A.M. **188**: 233
Panlin Zhang, see Wang, F. **177/181**: 1056
Pannetier, B., see Souche, Y. **177/181**: 1277
Paoluzi, A. and L. Pareti, Magnetocrystalline anisotropy of Fe and Sm sublattices in Sm_2Fe_{17}: effects of Ti substitution for Fe **189**: 89
Papaefthymiou, G.C., see Sohn, B.H. **182**: 216
Papaefthymiou, V., see Chen, Z. **177/181**: 1109
Papaefthymiou, V., see Dimitrov, D. **177/181**: 1308
Papaefthymiou, V., see Dimitrov, D.V. **188**: 8
Papakonstantinou, P., M.C. O'Neill, R. Atkinson, R. Al-Wazzan, T. Morrow and I.W. Salter, Influence of oxygen pressure on the expansion dynamics of Ba-hexaferrite ablation plumes and on the properties of deposited thin films **189**: 120
Papathanassiou, G., see Kotsanidis, P.A. **176**: 255
Pape, I., see Hase, T.P.A. **177/181**: 1164
Papusoi, Jr., C., Al. Stancu and J.L. Dormann, The initial susceptibility in the FC and ZFC magnetisation processes **174**: 236
Paranjpe, S.K., see Priolkar, K.R. **185**: 375
Pardavi-Horvath, M., Magnetization process in a 2-D array of small magnetic particles **177/181**: 213
Pareti, L., see Paoluzi, A. **189**: 89
Park, C.M., see Kim, C.G. **177/181**: 1301
Park, C.M., see Hwang, D.G. **186**: 265
Park, E., see Gao, Y. **186**: 97
Park, J.-G., H.-C. Ri, K. Kuwahara and H. Amitsuka, Thermal hysteresis in magnetization of single crystal URu_2Si_2 **177/181**: 455
Park, J.K., see Chang, H.S. **177/181**: 913
Park, J.R., see Song, Y.Y. **177/181**: 257
Park, J.T., J.S. Woo and S.K. Chang, Effect of phosphorus on the magnetic properties of non-oriented electrical steel containing 0.8 wt% silicon **182**: 381
Park, S., see Kioussis, N. **177/181**: 575
Park, S.I., see Kim, C.S. **177/181**: 993
Parker, D.A., see Coverdale, G.N. **188**: 41
Parker, T.J., see Jensen, M.R.F. **177/181**: 835
Parkin, S.S.P., see Azevodo, A. **177/181**: 1177
Parkin, S.S.P., see Rezende, S.M. **177/181**: 1213
Parkin, S.S.P., see Kuch, W. **184**: 127
Parnell, S.R., C.M. Lim, R.S. Eccleston, S.B. Palmer, M. Salgueiro da Silva, J.M. Moreira, J.B. Sousa and G.J. McIntyre, Commensurate magnetic structures in $Er_{91.6\%}Tm_{8.4\%}$ **177/181**: 1014
Parsons, M.J., J. Crangle, K.-U. Neumann and K.R.A. Ziebeck, Unusual low temperature specific heat in ternary Gd intermetallic compounds **184**: 184
Pascal, R., see Getzlaff, M. **184**: 155
Pashchenko, V.A., see Monod, P. **177/181**: 739
Pasternak, M.P., M. Amanowicz, A.P. Milner, G.Kh. Rozenberg, R.D. Taylor, G.R. Hearne and K.E. Brister, High-pressure p–p band closure of the negative-Δ Sr_2FeO_4 perovskite **177/181**: 1377
Pasternak, M.P., G.Kh. Rozenberg, A.P. Milner, M. Amanowicz, K.E. Brister and R.D. Taylor, Pressure-induced amorphization of antiferromagnetic $FePO_4$ **183**: 185
Pastushenkov, Yu.G., A. Forkl and H. Kronmüller, Temperature dependence of the domain structure in $Fe_{14}Nd_2B$ single crystals during the spin-reorientation transition **174**: 278
Paterson, J.H., S.J. Cooke and A.D.R. Phelps, Finite-difference calculation of demagnetizing factors for shapes with cylindrical symmetry **177/181**: 1472

Patil, R.S., see Sankpal, A.M. **186**: 349
Patil, S.I., see Shinde, S.R. **186**: 342
Paulose, P.L., see Mallik, R. **185**: L135
Paulsen, C., see Sutter, J.P. **171**: 147
Paulsen, C., see Caneschi, A. **177/181**: 1330
Paulsen, C.C., see Kuwai, T. **177/181**: 399
Paulus, H., see Ehrenberg, H. **186**: 74
Paulus, P.M., see Hamasaki, T. **177/181**: 1105
Payet, B., D. Vincent, L. Delaunay and G. Noyel, Influence of particle size distribution on the initial susceptibility of magnetic fluids in the Brown relaxation range **186**: 168
Pechan, M.J., E.E. Fullerton and I.K. Schuller, Sources of interface magnetization and interface anisotropy in Fe/Cu multilayers as revealed by thermal behavior **183**: 19
Pedersen, M.S., see Johansson, C. **173**: 5
Pedersen, M.S., see Bødker, F. **177/181**: 925
Peduto, P.R., see Klautau, A.B. **186**: 223
Pei, Y., see Sutter, J.P. **171**: 147
Pellegrin, E., see Toulemonde, O. **190**: 307
Pelletier, S., see Lefebvre, L.P. **176**: L93
Peng, D.-L., K. Sumiyama, K. Suzuki, A. Inoue, Y. Yokoyama, K. Fukaura and H. Sunada, Low-temperature magnetic properties of Al–Pd–Mn–B quasicrystalline alloys **184**: 319
Peng, D.L., T.J. Konno, K. Sumiyama, H. Onodera and K. Suzuki, Structure and magnetic properties of Fe–Cr–N sputter-deposited films **172**: 41
Pepperhoff, W., see Wassermann, E.F. **190**: 289
Pereira de Azevedo, M.M., B.G. Almeida, J.B. Sousa and P.P. Freitas, Interlayer coupling across an alloy spacer: $Co/Cu_{75}Au_{25}$ multilayers **173**: 155
Pereira de Azevedo, M.M., J.B. Sousa, J.A. Mendes, B.G. Almeida, M.S. Rogalski, Yu.G. Pogorelov, I. Bibicu, L.M. Redondo, M.F. da Silva, C.M. Jesus, J.G. Marques and J.C. Soares, Magnetization and magnetoresistance in Fe-ion-implanted Cu and Ag thin films **173**: 230
Perenboom, J.A.A.J., see Keller, N. **177/181**: 298
Pérez, L.A. and C. Wang, Hole pairing in the Hubbard model **177/181**: 1482
Pernod, P. and V. Preobrazhensky, Dynamic control of elasticity by means of ultrasound excitation in anti-ferromagnets **184**: 173
Pernod, P. and V. Preobrazhensky, Nonlinear conversion of magnetoelastic modes in a magnetostrictive plate **185**: 127
Perrier de la Bathie, R., see Legrand, B.A. **173**: 20
Persiano, A.I.C., see Dias, A. **172**: L9
Perzynski, R., see Gazeau, F. **186**: 175
Peschany, S.E., see Usov, N.A. **174**: 247
Pescia, D., see Würsch, Ch. **177/181**: 617
Pescia, D., see Stamm, C. **177/181**: 1279
Peters, C. and R. Thompson, Magnetic identification of selected natural iron oxides and sulphides **183**: 365
Petford-Long, A.K., In situ transmission electron microscope studies of information storage materials **175**: 109
Petford-Long, A.K., see Portier, X. **187**: 145
Petkov, V., see Grigorova, M. **183**: 163
Petracic, O., Ch. Binek and W. Kleemann, Polydispersivity of non-critical field-induced fluctuations in $FeBr_2$ **175**: 272
Petrakovskii, G.A., see Gippius, A.A. **184**: 358
Petrakovskii, G.A., see Vorotinov, A.M. **188**: 233
Petroff, F., L.F. Schelp, S.F. Lee, F. Fettar, P. Holody, A. Vaures, J.L. Maurice and A. Fert, Spin-dependent tunneling in granular magnetic tunnel junctions **175**: 33
Petroff, F., see Caballero, J.A. **177/181**: 1229
Petrov, S.V., see Borovik-Romanov, A.S. **177/181**: 657
Petrovskii, G., see Zabluda, V. **185**: 207
Peyrade, J.P., see Jaffres, H. **184**: 19
Pfaffelhuber, T., see Abelmann, L. **190**: 135
Pfleiderer, C., see Julian, S.R. **177/181**: 265
Phelps, A.D.R., see Paterson, J.H. **177/181**: 1472
Phillips, G.N. and T. Suzuki, Quantitative analysis of written bit transitions in 5 Gbit/in^2 media by magnetic force microscopy **175**: 115
Phillips, G.N., see Rose, J. **177/181**: 223
Phillips, N.E., see Fisher, R.A. **177/181**: 787
Phillips, N.E., see Gordon, J.E. **177/181**: 856
Phuc, N.X., see Man, N.K. **177/181**: 527
Phuc, N.X., see Nam, D.N.H. **177/181**: 1135
Pickett, W.E. and D.J. Singh, Transport and fermiology of the ferromagnetic phase of $La_{2/3}A_{1/3}MnO_3$ (A = Ca, Sr, Ba) **172**: 237
Pierre, J., see Pignard, S. **177/181**: 1227
Pierre, J., see Hordequin, C. **183**: 225
Pierre, J., see Kaczmarska, K. **187**: 210
Pietri, R., see Tro, R. **183**: 132
Pignard, S., H. Vincent, J.P. Sénateur and J. Pierre, GMR thin films deposited by a new MOCVD-injection method. Preparation, transport properties and magnetic behaviour of self-doped lanthanum manganites $La_{1-x}MnO_{3-\delta}$ ($0 \leqslant x \leqslant 0.3$) **177/181**: 1227
Pilawa, B., R. Desquiotz, M.T. Kelemen, M. Weickenmeier and A. Geisselmann, Magnetic properties of new Fe_6(triethanolaminate (3-))$_6$ spin-clusters **177/181**: 748
Piltz, R., see Cussen, L.D. **177/181**: 1419
Pimpale, A.V., see Sathe, V.G. **189**: 346
Pinkerton, F.E., see Herbst, J.F. **176**: 183
Pinkpank, M., see de Visser, A. **177/181**: 435
Pinsard, L., see Hennion, M. **177/181**: 858
Pinski, F.J., see Ling, M.F. **177/181**: 1399

Piñol, S., see Ramos, C.A. **177/181**: 867
Pirault, E., see Ding, J. **177/181**: 933
Piraux, L., S. Dubois, J.L. Duvail, K. Ounadjela and A. Fert, Arrays of nanowires of magnetic metals and multilayers: Perpendicular GMR and magnetic properties **175**: 127
Piraux, L., see Maurice, J.-L. **184**: 1
Piraux, L., see Belliard, L. **190**: 1
Pirri, C., see Hong, S. **171**: 280
Pissas, M., see Simopoulos, A. **177/181**: 860
Pittini, R., see Schoenes, J. **175**: 51
Pittini, R., M. Ikezawa, A. Ochiai, H. Aoki and T. Suzuki, Yb_4As_3 and $Yb_4(As_{0.71}Sb_{0.29})_3$, two ways to heavy-fermion character **177/181**: 345
Pittini, R., J. Schoenes and P. Wachter, Anomalous field dependence of the IR magneto-optical Kerr rotation in CeSb **177/181**: 472
Pittini, R. and P. Wachter, A new spectroscopic determination of empty f levels **177/181**: 1025
Pittini, R. and P. Wachter, Cerium compounds: The new generation magneto-optical Kerr rotators with unprecedented large figure of merit **186**: 306
Pkała, M., see Jartych, E. **186**: 299
Pleshanov, N.K., see Pusenkov, V.M. **175**: 237
Pliha, M., see Tang, H. **187**: 23
Plogmann, S., see Ślebarski, A. **185**: 43
Pogorelov, Yu.G., see Pereira de Azevedo, M.M. **173**: 230
Pohorilyi, A.N., A.F. Kravetz, E.V. Shipil, A.Ya. Vovk, C.S. Kim and H.R. Khan, Effect of annealing and chemical composition on the giant magnetoresistance of electron beam deposited $Co_xCu_{(100-x)}$ ($11 \leqslant x \leqslant 45$) granular films **186**: 87
Pokatilov, V.S., Hyperfine fields and magnetic moments in Laves phase compounds RFe_2 (R = Sc, Y, Zr, Gd, Ce, Lu) **189**: 189
Pokhil, T., see Foss, S. **190**: 60
Polgar, K., see Rakitina, L.G. **184**: 238
Pollard, R.J., S.E. McCartney and R. Atkinson, Magnetoresistive measurements of sputtered Ni/Co multilayers **176**: 134
Pollert, E., see Toulemonde, O. **190**: 307
Polulyakh, S.N., see Abelyashev, G.N. **184**: 222
Polychroniadis, E.K., see Efthimiadis, K.G. **185**: 187
Pommer, J., see Hücker, M. **177/181**: 539
Pommier, J., see Ferré, J. **174**: 77
Popa, P.D., see Rezlescu, N. **182**: 199
Popławski, F., see Lachowicz, H.K. **173**: 287
Popov, Y.F., A.M. Kadomtseva, G.P. Vorob'ev, V.A. Sanina, M.-M. Tehranchi and A.K. Zvezdin, Magnetoelectric effect and field-induced "incommensurate-homogeneous' phase transitions in $EuMn_2O_5$ **188**: 237
Popov, Yu.F., see Mukhin, A.A. **183**: 160
Poppi, M., see Buttino, G. **172**: 147
Poppi, M., see Bordin, G. **172**: 291
Porenta, A., see McGuiness, P.J. **188**: 119
Porte, M., see Krishnan, R. **174**: L17
Porthun, S., L. Abelmann and C. Lodder, Magnetic force microscopy of thin film media for high density magnetic recording **182**: 238
Porthun, S., see Abelmann, L. **190**: 135
Porthun, S., see Vellekoop, B. **190**: 148
Portier, X., A.K. Petford-Long, T.C. Anthony and J.A. Brug, Contribution of the magnetic field induced by the current passing through a spin-valve element **187**: 145
Postava, K., H. Jaffres, A. Schuhl, F. Nguyen Van Dau, M. Goiran and A.R. Fert, Linear and quadratic magneto-optical measurements of the spin reorientation in epitaxial Fe films on MgO **172**: 199
Postava, K., see Jaffres, H. **184**: 19
Potter, C.D., see Schad, R. **182**: 65
Pouget, S., see Uemura, Y.J. **177/181**: 701
Poulopoulos, P., M. Farle, U. Bovensiepen and K. Baberschke, Evidence for domain formation in ultrathin Ni/Cu(0 0 1) films near the Curie temperature **177/181**: 1225
Pozeluyko, A., see Zabluda, V. **185**: 207
Prabhu, R.B., see Priolkar, K.R. **185**: 375
Prados, C., see Jordan, S.M. **172**: 69
Prados, C., D.V. Dimitrov, G.C. Hadjipanayis and A. Hernando, Effect of Co impurity layers on the AMR enhancement of Ni thin films **177/181**: 1293
Prados, C., see Dimitrov, D. **177/181**: 1308
Prados, C., see Dimitrov, D.V. **189**: 25
Prandolini, M.J., W.D. Hutchison, D.H. Chaplin, G.J. Bowden and B. Bleaney, NMR thermally detected by nuclear orientation (NMR-TDNO) of ^{171}Yb in antiferromagnetic $YbVO_4$ **177/181**: 1054
Prandolini, M.J., see Chaplin, D.H. **177/181**: 1353
Pratt, F., see Ager, C. **177/181**: 561
Preobrazhensky, V., see Pernod, P. **184**: 173
Preobrazhensky, V., see Pernod, P. **185**: 127
Prichard, L.S., see Morales, M.P. **190**: 357
Prida, V.M., see Tejedor, M. **185**: 61
Prieto, J.L., C. Aroca, P. Sánchez, E. López and M.C. Sánchez, Current effects in magnetostrictive piezo-electric sensors **174**: 289
Prieto, J.L., P. Sánchez, C. Aroca, M. Maicas, E. López and M.C. Sánchez, Domain-wall patterns in magnetostatically coupled bilayers **177/181**: 215
Pringle, O.A., see Long, G.J. **176**: 217
Pringle, O.A., G.J. Long, S.R. Mishra, D. Hautot, F. Grandjean, D.P. Middleton, K.H.J. Buschow, Z. Hu, H. Luo and W.B. Yelon, A magnetic, neutron diffraction, and Mössbauer spectral study of the $Tb_2Fe_{17-x}Ga_x$ solid solutions, with $7 \leqslant x \leqslant 9$ **183**: 81

Pringle, O.A., see Long, G.J. **186**: 10
Prinsloo, A.R.E., H.L. Alberts and P. Smit, Non-linear acoustic properties of a Cr + 0.84 at% Ga alloy single crystal through the Néel point **177/181**: 1413
Priolkar, K.R., M.N. Rao, R.B. Prabhu, P.R. Sarode, S.K. Paranjpe, P. Raj and A. Sathyamoorthy, Spin dynamics of $CeSi_{2-x}Ga_x$, $0.7 \leqslant x \leqslant 1.3$ **185**: 375
Prokeš, K., see de Châtel, P.F. **177/181**: 785
Prokeš, K., F. Honda, G. Oomi, L. Havela, A.V. Andreev, V. Sechovský, A.A. Menovsky and F.R. de Boer, Magnetoelastic phenomena in UNiGa **184**: 369
Prokhorov, A.S., see Mukhin, A.A. **177/181**: 531
Prokhorov, A.S., see Mukhin, A.A. **183**: 157
Proksch, R., see Foss, S. **190**: 60
Proksch, R., see Abelmann, L. **190**: 135
Prudnikov, V., see Khan, H.R. **183**: 379
Prudnikov, V., V. Silonov, M. Prudnikova and S. Rodin, Features of magnetic and kinetic properties of atomic-disordered solid γ-Mn_3Ga solutions in the antiferromagnetic spin glass state **188**: 393
Prudnikova, M., see Khan, H.R. **183**: 379
Prudnikova, M., see Prudnikov, V. **188**: 393
Przewoźnik, J., see Cottenier, S. **177/181**: 1083
Przewoźnik, J., J. Zukrowski and K. Krop, Mössbauer effect study of the magnetic ordering in $GdMn_2H_x$ **187**: 337
Pugaczowa-Michalska, M., Effect of local environment on the magnetic properties of the $(Ni_{1-x}Co_x)_2MnSn$ alloy **185**: 35
Pullar, R.C., S.G. Appleton, M.H. Stacey, M.D. Taylor and A.K. Bhattacharya, The manufacture and characterisation of aligned fibres of the ferroxplana ferrites Co_2Z, 0.67% CaO-doped Co_2Z, Co_2Y and Co_2W **186**: 313
Pullar, R.C., S.G. Appleton and A.K. Bhattacharya, The manufacture, characterisation and microwave properties of aligned M ferrite fibres **186**: 326
Purwanto, A., see de Châtel, P.F. **177/181**: 785
Pusenkov, V.M., N.K. Pleshanov, V.G. Syromyatnikov, V.A. Ul'yanov and A.F. Schebetov, Study of domain structure of thin magnetic films by polarised neutron reflectometry **175**: 237
Pushkarsky, V.I., see Andreev, S.V. **187**: 83
Puzniak, R., see Wisniewski, A. **177/181**: 499

Qin, H., see Jin, Z. **177/181**: 1115
Qiu, J.-F., Magneto-optical properties and stability of GdTbFeCo thin films prepared by RF-magnetron sputtering **173**: 215
Quan, Ming-xiu, see Sun, Wen-sheng **176**: 307
Quaranta, T., see Estournès, C. **173**: 83
Quartu, R. and H.T. Diep, Phase diagram of body-centered tetragonal helimagnets **182**: 38

Raab, B., see Knabben, D. **190**: 349
Radhakrishna, P., see Fisher, R.A. **177/181**: 787
Radkovskaya, A., see Khan, H.R. **183**: 379
Rahmoune, M., J.P. Eymery and M.F. Denanot, Analysis of interfacial reactions of Fe films on monocrystalline GaAs **175**: 219
Raikher, Yu.L., see Gazeau, F. **186**: 175
Rainforth, W.M., see Huo, S. **177/181**: 227
Rainforth, W.M., see Huo, S. **177/181**: 229
Rainforth, W.M., see Al-Khafaji, M.A. **182**: 111
Rainforth, W.M., see Al-Khafaji, M.A. **188**: 109
Rainforth, W.M., see Huo, S. **190**: 17
Rainforth, W.M., see Al-Khafaji, M.A. **190**: 48
Raj, B., see Moorthy, V. **171**: 179
Raj, P., see Priolkar, K.R. **185**: 375
Rajeswari, M., see Kwon, C. **172**: 229
Rakitina, L.G., B.D. Shanina, G. Corradi and K. Polgar, Electron transfer through ordered metallic chains in $LiNbO_3$: (Mg, Zn) : Me(3d) **184**: 238
Rama Rao, K.V.S., see Venkatesan, M. **184**: 231
Rama Rao, K.V.S., see Shah, V.R. **190**: 233
Ramadan, A., see Yusuf, N.A. **184**: 375
Ramakrishnan, S., C.J. Haworth, M. Takashita, T. Terashima, H. Aoki, B. Becker, A.A. Menovsky, G.J. Nieuwenhuys and J. Mydosh, dHvA oscillations and high-field magnetoresistance in $U_2Rh_3Si_5$ **177/181**: 459
Ramanathan, A., see Vaidyanathan, G. **176**: 321
Ramesh, A., see Shi, Y.M. **187**: 75
Ramesh, R., see Kwon, C. **172**: 229
Ramos, C.A., M.T. Causa, M. Tovar, X. Obradors and S. Piñol, Magnetization and FMR in $La_{0.7}Pb_{0.3}MnO_3$ single crystals **177/181**: 867
Ramstöck, K., see Rave, W. **171**: 69
Ramstöck, K., see Rave, W. **183**: 329
Rana, M.U., Misbah-Ul-Islam, I. Ahmad and T. Abbas, Determination of magnetic properties and Y–K angles in Cu–Zn–Fe–O system **187**: 242
Rancourt, D.G. and R.B. Scorzelli, Low-spin γ_{LS}-Fe–Ni proposed as a new meteoritic mineral – Reply **174**: 324
Rane, M.V., see Misra, S.K. **187**: 93
Ranno, L., see Toulemonde, O. **190**: 307
Rao, K.V., see Kim, K.-S. **177/181**: 553
Rao, K.V., see Madurga, V. **177/181**: 945
Rao, K.V., see Kim, K.-S. **177/181**: 968
Rao, M.N., see Priolkar, K.R. **185**: 375
Rao, V., see Palit, S. **172**: 322
Raquet, B., R. Mamy, J.C. Ousset, N. Nègre, M. Goiran and C. Guerret-Piécourt, Prep-

aration and magnetic properties of the CoO/Co bilayer **184**: 41
Rasing, Th., Nonlinear magneto-optics **175**: 35
Rave, W. and K. Ramstöck, Micromagnetic calculation of the grain size dependence of remanence and coercivity in nanocrystalline permanent magnets **171**: 69
Rave, W., E. Zueco, R. Schäfer and A. Hubert, Observations on high-anisotropy single crystals using a combined Kerr/magnetic force microscope **177/181**: 1474
Rave, W., K. Ramstöck and A. Hubert, Corners and nucleation in micromagnetics **183**: 329
Rave, W., see Hubert, A. **184**: 67
Rave, W. and A. Hubert, Micromagnetic calculation of the thickness dependence of surface and interior width of asymmetrical Bloch walls **184**: 179
Rave, W., see Zueco, E. **190**: 42
Rave, W., K. Fabian and A. Hubert, Magnetic states of small cubic particles with uniaxial anisotropy **190**: 332
Raveau, B., see Wolfman, J. **174**: L5
Raveau, B., see Damay, F. **183**: 143
Raveau, B., see Damay, F. **184**: 71
Raveau, B., see Maignan, A. **184**: 83
Raveau, B., see Maignan, A. **188**: 185
Raveau, B., see Damay, F. **190**: 221
Ravinder, D., see Jones, G.A. **184**: 28
Ray, J., see Garde, C.S. **189**: 293
Raymond, S., A.P. Murani, B. Fåk, L.P. Regnault, G. Lapertot, P.A. Alekseev and J. Flouquet, Low energy excitations in CeNiSn **190**: 245
Recktenwald, A. and M. Lücke, Thermoconvection in magnetized ferrofluids: the influence of boundaries with finite heat conductivity **188**: 326
Redondo, L.M., see Pereira de Azevedo, M.M. **173**: 230
Redoulès, J.P., see Jaffres, H. **184**: 19
Reehuis, M., N. Stüßer, A. Nientiedt, T. Ebel, W. Jeitschko and B. Ouladdiaf, Magnetic ordering in the ternary phosphides $Tb_2Fe_{12}P_7$, $Tb_2Co_{12}P_7$, $Tb_2Ni_{12}P_7$ and $Ho_2Ni_{12}P_7$ **177/181**: 805
Regnault, L.P., see Raymond, S. **190**: 245
Reichl, Ch., see Bauer, E. **177/181**: 1401
Reif, Th., see Loewenhaupt, M. **177/181**: 1050
Reijne, S., see Anantharaman, M.R. **189**: 83
Reinecke, N., see Neubauer, M. **189**: 8
Reiner, J.W., see Klein, L. **188**: 319
Reiss, G., see Luciński, T. **174**: 192
Reiss, G., L. van Loyen, T. Lucinski, D. Elefant, H. Brückl, N. Mattern, R. Rennekamp and W. Ernst, Presence and absence of antiferromagnetic coupling and giant magnetoresistance in sputtered and evaporated permalloy/copper multilayers **184**: 281
Reiss, G., see Luciński, T. **189**: 39
Reissner, M., see Bogner, J. **177/181**: 839
Reklis, S.F., see Gordon, J.E. **177/181**: 856
Rellinghaus, B., see Wassermann, E.F. **190**: 289
Ren, T.-L., see Wang, X.-H. **184**: 95
Renard, D., see Kirilyuk, A. **171**: 45
Renard, D., see Corno, J. **174**: L10
Renard, J.P., see Goto, T. **177/181**: 663
Rennekamp, R., see Reiss, G. **184**: 281
Rennert, P., Y. Kucherenko and L. Niebergall, Calculation of angle-resolved Auger electron diffraction spectra to investigate the surface magnetism of Fe(0 0 1) **177/181**: 1275
Repond, P., see Schoenes, J. **177/181**: 1046
Ressier, L., see Jaffres, H. **184**: 19
Ressouche, E., see Kotsanidis, P.A. **176**: 255
Ressouche, E., see Welter, R. **187**: 278
Reuter, D., see Sander, D. **177/181**: 1299
Revcolevschi, A., see Horvatić, M.Y. **177/181**: 669
Revcolevschi, A., see Hennion, M. **177/181**: 858
Revcolevschi, A., see Gippius, A.A. **184**: 358
Reynolds, N.L., S.J. Collocott and J.B. Dunlop, Preparation and magnetic properties of ternary neodymium–iron–rhenium intermetallic compounds **177/181**: 1042
Rezende, S.M., see de Aguiar, F.M. **177/181**: 844
Rezende, S.M., see Azevodo, A. **177/181**: 1177
Rezende, S.M., C. Chesman, M.A. Lucena, A. Azevedo, F.M. de Aguiar and S.S.P. Parkin, Brillouin light scattering and ferromagnetic resonance in trilayers with bilinear and biquadratic exchange coupling **177/181**: 1213
Rezlescu, E., see Rezlescu, N. **182**: 199
Rezlescu, L., see Rezlescu, N. **182**: 199
Rezlescu, N., E. Rezlescu, P.D. Popa, M.L. Craus and L. Rezlescu, Copper ions influence on the physical properties of a magnesium–zinc ferrite **182**: 199
Rhyne, J.J., J. Lin, J.K. Furdyna and T.M. Giebultowicz, Anomalous antiferromagnetic coupling in [ZnTe | MnTe] superlattices **177/181**: 1195
Ri, H.-C., see Park, J.-G. **177/181**: 455
Richter, J., A. Voigt, J. Schulenburg, N.B. Ivanov and R. Hayn, Magnetic model for $Ba_2Cu_3O_4Cl_2$ **177/181**: 737
Richter, J., see Voigt, A. **183**: 68
Richter, M., see Diviš, M. **176**: L81
Riedi, P.C., see Tomka, G.J. **177/181**: 821
Riedi, P.C., see Kapusta, C.z. **177/181**: 1121
Riedi, P.C., see Ghivelder, L. **189**: 274
Riedling, S., see Hillebrands, B. **175**: 10
Rieth, T., see Sieling, M. **177/181**: 695
Rikvold, P.A., see Novotny, M.A. **177/181**: 917
Rinkevich, A.B., see Ustinov, V.V. **177/181**: 1205
Rischel, C. and K. Lefmann, Magnetic order of $s = \frac{1}{2}$ spins on the FCC lattice at zero

temperature calculated by exact diagonalization **177/181**: 775
Ritter, C., see Tomka, G.J. **177/181**: 821
Ritter, C., see Telling, M.T.F. **177/181**: 1480
Ritter, C., see Schobinger-Papamantellos, P. **186**: 21
Ritter, C., see Zaharko, O. **187**: 293
Ritter, C., see Schobinger-Papamantellos, P. **189**: 214
Rivadulla, F., see Hueso, L.E. **189**: 321
Rivas, J., see Señarís-Rodríguez, M.A. **177/181**: 935
Rivas, J., see Hueso, L.E. **189**: 321
Rivas, J., see Garcia-Otero, J. **189**: 377
Rivas, M., see Contreras, M.C. **175**: 64
Riveiro, J.M., P. Muñiz, J.P. Andres and M.A. Lopez de la Torre, About the possible observation and magnetic characterization of amorphous Ni **188**: 153
Robinson, R.A., see de Châtel, P.F. **177/181**: 785
Robinson, R.A., see Javorský, P. **186**: 373
Robson, M.C., see Kwon, C. **172**: 229
Rodic, D., B. Antic, R. Tellgren, H. Rundlof and J. Blanusa, A change of magnetic moment of Cr ion with the magnetic phase transition in $CuCr_2Se_4$ **187**: 88
Rodimin, V.E., see Dubenko, I.S. **177/181**: 571
Rodin, S., see Prudnikov, V. **188**: 393
Rodmacq, B., see Watts, R. **174**: 70
Rodriguez-Carvajal, J., see Hennion, M. **177/181**: 858
Rodriguez-Carvajal, J., see Ehrenberg, H. **184**: 111
Rodriguez Fernandez, J., see Garcia Soldevilla, J. **177/181**: 300
Rodríguez-Carvajal, J., see Schobinger-Papamantellos, P. **182**: 96
Rodríguez-Carvajal, J., see Zaharko, O. **187**: 293
Rodríguez-Fernández, J., see Soldevilla, J.G. **186**: 49
Rodríguez, M., P. Velasco, C. Aroca, E. López, M.C. Sánchez and P. Sánchez, Different mechanism of induced helical anisotropy in low-magnetostriction amorphous ribbons **177/181**: 220
Roell, K., see Lucinski, T. **174**: 192
Roessel, Th., see Wassermann, E.F. **190**: 289
Rogalski, M.S., see Pereira de Azevedo, M.M. **173**: 230
Rohrmann, H., see Becker, S. **171**: 225
Rohrmann, H., see Luciński, T. **174**: 192
Rohrmann, H., see Lanchava, B. **176**: 139
Rojo, J.M., see Hernando, A. **174**: 181
Röll, K., see Becker, S. **171**: 225
Romanov, I., see Gan'shina, E. **185**: 258
Romashev, L.N., see Ustinov, V.V. **177/181**: 1205
Roos, B., see Hillebrands, B. **175**: 10
Roos, T., see Güntherodt, G. **175**: 63
Rösch, P., J. Weizenecker, M.T. Kelemen, J. Ruf, C. Zobel and E. Dormann, NMR and magnetization of rare-earth compounds **177/181**: 1071
Rösch, P., see Kelemen, M.T. **188**: 195
Rose, J., J.N. Chapman, G.N. Phillips, H. Laidler and K. O'Grady, Time-dependent effects in materials with two-stage reversal processes **177/181**: 223
Rosenberger, A., see Güntherodt, G. **175**: 63
Rosenbusch, P., J. Lee, G. Lauhoff and J.A.C. Bland, Magnetisation reversal in thin Cu/Ni/Cu/Si(0 0 1) films **172**: 19
Rosengren, A., see Šmakov, J. **190**: 157
Roshko, R.M. and B.M. Moskowitz, A Preisach analysis of magnetoferritin **177/181**: 1461
Rossi, G., see Macedo, W.A.A. **177/181**: 1262
Rossignol, M.F., see Villas-Boas, V. **185**: 180
Rots, M., see Swinnen, B. **175**: 23
Rots, M., see Cottenier, S. **177/181**: 1083
Rousseaux, F., see Hillebrands, B. **175**: 10
Rousseaux, F., see Jamet, J.P. **175**: 125
Rouxel, J., see Léone, P. **172**: 153
Rouxel, J., see Léone, P. **182**: 172
Rovai, D., see Caneschi, A. **177/181**: 1330
Roy, S.B., see Sathe, V.G. **189**: 346
Rozenberg, G.Kh., see Pasternak, M.P. **177/181**: 1377
Rozenberg, G.Kh., see Pasternak, M.P. **183**: 185
Rüdiger, U., see Güntherodt, G. **175**: 63
Ruf, J., see Rösch, P. **177/181**: 1071
Ruf, T., see Nekvasil, V. **177/181**: 535
Rundlof, H., see Rodic, D. **187**: 88
Rusanov, V., see Grigorova, M. **183**: 163
Rustom, A., A.D. Hillier and R. Cywinski, De Gennes scaling in $Er_{1-x}Tb_xNi_2B_2C$ superconductors **177/181**: 1153
Ruuskanen, P., A. Deribas, A. Shtertser and T. Korkala, Magnetic properties of $Fe_{73.5}Cu_1Nb_3Si_{13.5}B_9$ alloy compacted by a shock-wave technique **182**: 185
Ruuskanen, P., see Kaczkowski, Z. **185**: 109
Ruuskanen, P., see Kaczkowski, Z. **185**: 112
Ruuskanen, P., see Kaczkowski, Z. **185**: 115
Ryan, D.H., see Girt, Er. **177/181**: 982
Ryan, P., see Hase, T.P.A. **177/181**: 1164
Ryzhanova, N., see Vedyayev, A. **172**: 53
Ryzhov, V.N., see Chui, S.T. **177/181**: 1303
Ryzhov, V.N., see Chui, S.T. **182**: 25

Sabiryanov, R.F. and S.S. Jaswal, Electronic structure and magnetic properties of hard/soft multilayers **177/181**: 989
Safonov, V.L., see Lagutin, A.S. **171**: 336
Safonov, V.L., P.M. Loaiza and L.E. Svistov, Relaxation of magnetoelastic oscillations in antiferromagnetic $FeBO_3$ **173**: 43
Said, M.R., see Abu-Aljarayesh, I. **185**: 220
Saito, H., see Chen, J. **188**: 260
Saito, K., see Wang, Z.J. **176**: 127
Saito, K., see Hisano, S. **190**: 371
Saito, T., see Miyazaki, T. **171**: 320
Saito, T., see Kurimoto, M. **177/181**: 245
Saito, T., see Matsubayashi, S. **177/181**: 249
Saito, T., see Shinagawa, K. **177/181**: 251

Saito, T., N. Oka, K. Koyama, K. Mizuno, K. Endo and H. Deguchi, ^{13}C NMR study of borocarbide superconductor YNi_2B_2C **177/181**: 557
Saito, T., see Matsuo, A. **177/181**: 909
Saito, T., see Urakabe, T. **177/181**: 1145
Saito, T., see Li, X.G. **190**: 277
Sakai, N., see Koizumi, A. **177/181**: 211
Sakai, O., see Shimizu, Y. **177/181**: 316
Sakai, O., S. Suzuki and Y. Shimizu, $T^{1/2}$ decreasing resistivity with decreasing temperature: A two-channel impurity Anderson model with an extra local spin **177/181**: 327
Sakai, O., see Kumigashira, H. **177/181**: 1035
Sakakibara, T., see Sekine, C. **177/181**: 411
Sakakima, H., E. Hirota and Y. Kawawake, Enhanced GMR in [NiFe/Cu/Co] with specular reflective capping layers **184**: 49
Sakata, A., see Yamada, Y. **177/181**: 1397
Sakita, H., see Kawae, T. **177/181**: 795
Sakon, T., Y. Nakanishi, M. Ozawa, H. Nojiri, T. Suzuki and M. Motokawa, Magnetization and dHvA effect study of the rare-earth monopnictides in high magnetic fields **177/181**: 355
Sakon, T., see Hiroi, M. **177/181**: 429
Sakuma, A., Effect of a non-magnetic atom in double-exchange ferromagnets **173**: 173
Sakuma, A., see Ichimura, M. **177/181**: 1311
Sakuma, A., Electronic structures and magnetism of CuAu-type MnNi and MnGa **187**: 105
Sakurai, J., see Isikawa, Y. **177/181**: 391
Sakurai, J., see Kuwai, T. **177/181**: 399
Sakurai, J., H. Takagi, T. Kuwai and Y. Isikawa, The thermoelectric power of antiferromagnetic Ce-Kondo compounds **177/181**: 407
Sakurai, K., see Inada, Y. **177/181**: 389
Sakurai, T., O. Kitakami, Y. Shimada, H. Awano and K. Ando, Evolution of magnetic domain patterns at low temperature **173**: 185
Sal, J.C.G., see Soldevilla, J.G. **186**: 49
Salamon, M.B., see O'Donovan, K.V. **186**: 161
Salgueiro da Silva, M., see Parnell, S.R. **177/181**: 1014
Salter, I.W., see Papakonstantinou, P. **189**: 120
Sambasiva Rao, M. and S.N. Kaul, Validity of the generalized Curie–Weiss law in ferromagnetic systems with 'frozen' disorder **171**: 341
Samokhvalov, A.A., see Sukhorukov, Yu.P. **183**: 356
Samophalov, V.N., see Zorchenko, V.V. **183**: 25
Sampathkumaran, E.V., see Mallik, R. **185**: L135
Samson, Y., see Gehanno, V. **172**: 26
Sanchez, J.P., see Drescher, K. **182**: L275
Sanchez, J.P., see Isnard, O. **189**: 47
Sánchez Ll., J.L., see Díaz-Castañón, S. **185**: 194
Sánchez, M.C., see Prieto, J.L. **174**: 289
Sánchez, M.C., see Prieto, J.L. **177/181**: 215
Sánchez, M.C., see Rodríguez, M. **177/181**: 220
Sánchez, M.L., see Tejedor, M. **185**: 61
Sánchez, P., see Prieto, J.L. **174**: 289
Sánchez, P., see Prieto, J.L. **177/181**: 215
Sánchez, P., see Rodríguez, M. **177/181**: 220
Sánchez, R.D., see Señaris-Rodríguez, M.A. **177/181**: 935
Sánchez, R.D., see Hueso, L.E. **189**: 321
Sander, D., A. Enders, C. Schmidthals, D. Reuter and J. Kirschner, Stranski–Krastanov layers of Fe on W(1 1 0): A combined MOKE, LEED, SAM and stress measurement investigation **177/181**: 1299
Sangregorio, C., see Caneschi, A. **177/181**: 1330
Sanina, V.A., see Popov, Y.F. **188**: 237
Sankar, S., see Dieny, B. **185**: 283
Sankpal, A.M., S.S. Suryavanshi, S.V. Kakatkar, G.G. Tengshe, R.S. Patil, N.D. Chaudhari and S.R. Sawant, Magnetization studies on aluminium and chromium substituted Ni–Zn ferrites **186**: 349
Santos, A., J.D. Ardisson, E.B. Tambourgi and W.A.A. Macedo, Synthesis of granular Fe–Al_2O_3 by the sol–gel method **177/181**: 247
Sappey, R., E. Vincent, M. Ocio and J. Hammann, Low-temperature features of nanoparticle dynamics **177/181**: 957
Sarode, P.R., see Priolkar, K.R. **185**: 375
Sarzyński, J., see Jartych, E. **186**: 299
Sasago, Y., see Kuroe, H. **177/181**: 679
Sasaki, C., see Kurata, S. **177/181**: 715
Sasaki, J., see Kuroe, H. **177/181**: 679
Sasaki, J., see Sekine, T. **177/181**: 691
Sasaki, M., see Negishi, H. **185**: 85
Sasaki, T., see Ager, C. **177/181**: 561
Sasaki, Y., see Fujii, Y. **177/181**: 991
Sathe, V.G., A.V. Pimpale and S.B. Roy, Magnetic domain effects in ferro- and antiferromagnetically ordered $La_{0.7}Sr_{0.3}Co_{1-y}Fe_yO_3$: a magnetisation study **189**: 346
Sathyamoorthy, A., see Priolkar, K.R. **185**: 375
Sato, H., see Kobayashi, Y. **176**: 164
Sato, H., see Aoki, Y. **177/181**: 271
Sato, H., see Yoshizawa, M. **177/181**: 305
Sato, H., see Sugawara, H. **177/181**: 359
Sato, H., Y. Aoki, J. Urakawa, T.D. Matsuda, H. Sugawara, T. Fukuhara and K. Maezawa, Non-Fermi-liquid behavior in $CeNi_2Ge_2$ single crystals **177/181**: 409
Sato, H., see Böttger, G. **177/181**: 517
Sato, H., see Aoki, Y. **177/181**: 559
Sato, H. and T. Miyazaki, Magneto-optical spectra in Co/MgO multilayers **177/181**: 1197
Sato, H.R., see Aoki, Y. **177/181**: 559
Sato, K., see Adachi, Y. **177/181**: 1061
Sato, K., see Umehara, I. **177/181**: 1143
Sato, K., see Takanashi, K. **177/181**: 1199
Sato, K., H. Ikekame, M. Akita and Y. Morishita, Magneto-optical spectra in MnSb

and MnAs films prepared by atomic-hydrogen assisted hot wall epitaxy on GaAs **177/181**: 1379

Sato, K., N. Suzuki, T. Kanomata, H. Yamauchi, H. Yoshida, T. Kaneko, Y. Yamaguchi, T. Kamishima and T. Goto, Pressure dependence of the Curie temperature and spontaneous magnetization of MnRhP **177/181**: 1381

Sato, K., see Endo, K. **177/181**: 1437

Sato, M., see Takeuchi, T. **177/181**: 1081

Sato, N., see Haworth, C.J. **177/181**: 369

Sato, R., K. Kindo, Y. Narumi and M. Hagiwara, Thermodynamics of the $S = 1$ quantum spin chains with bond alternation **177/181**: 645

Sato, R., see Narumi, Y. **177/181**: 685

Sato, S., see Goto, T. **177/181**: 663

Sato, S., T. Goto, M. Yamashita and T. Ohishi, Nuclear magnetic relaxation of proton in an $S = 1$ Haldane gap linear chain system $Ni(C_5H_{14}N_2)_2N_3(ClO_4)$ **177/181**: 689

Sato, T., see Yokoyama, M. **183**: 173

Sato, T., see Yokoyama, M. **183**: 173

Sato, T., see Oku, T. **188**: 291

Sato Turtelli, R., R. Grössinger, E. de Morais, V. Hong Duong, G. Wiesinger, M. Dahlgren and E. Ferrara, Magnetic properties of Si rich $Fe_{100-x}Si_x$ rapidly quenched alloys **177/181**: 1389

Satoh, Y., see Muraoka, H. **176**: 73

Sauer, Ch., see Sena, S.P. **176**: 111

Savchenko, L.L., M.V. Chetkin and V.B. Bondarenko, Three-dimensional dynamics of solitary vertical Bloch lines in domain walls of garnets **183**: 313

Savin, P.A., see Vas'kovskij, V.O. **185**: 246

Savosta, M.M., see Štěpánková, H. **185**: 225

Sawada, A., see Isikawa, Y. **177/181**: 391

Sawada, A., see Ishiguro, A. **177/181**: 1355

Sawada, H., Y. Morikawa, N. Hamada and K. Terakura, Jahn–Teller distortion and magnetic structures in $LaMnO_3$ **177/181**: 879

Sawant, S.R., see Bhosale, D.N. **173**: 51

Sawant, S.R., see Sankpal, A.M. **186**: 349

Saxena, R.N., see Carbonari, A.W. **177/181**: 1431

Saxena, S.S., see Julian, S.R. **177/181**: 265

Sbiaa, R., H. Le Gall, J.M. Desvignes and M. El Harfaoui, Magnetization processes in exchange-coupled double-layer films with in-plane and perpendicular anisotropy **183**: 247

Schad, R., P. Beliën, G. Verbanck, C.D. Potter, K. Temst, V.V. Moshchalkov and Y. Bruynseraede, Electric transport properties of epitaxial Fe and Cr films with very low intralayer scattering **182**: 65

Schäfer, R., see Müller, M. **177/181**: 231

Schäfer, R., see Rave, W. **177/181**: 1474

Schäfer, R., see Gutfleisch, O. **183**: 359

Schäfer, R., see Zueco, E. **190**: 42

Schäfer, W., see Kockelmann, W. **177/181**: 792

Schäfer, W., W. Kockelmann, S. Fredo, I. Halevy and J. Gal, Neutron diffraction studies of ferrimagnetic RFe_6Al_6 (R = Tb, Ho, Er) intermetallics **177/181**: 808

Schärpf, O., see Smith, T.J. **177/181**: 543

Schatz, A., see Macedo, W.A.A. **177/181**: 1262

Schebetov, A.F., see Pusenkov, V.M. **175**: 237

Schelp, L.F., see Petroff, F. **175**: 33

Schenck, A., see de Visser, A. **177/181**: 435

Schenck, A., see Nieuwenhuys, G.J. **177/181**: 803

Schep, K.M., see van Hoof, J.B.A.N. **177/181**: 188

Schep, K.M., J.B.A.N. van Hoof, P.J. Kelly, G.E.W. Bauer and J.E. Inglesfield, Theory of interface resistances **177/181**: 1166

Schille, J.-P., see Gregg, J. **175**: 1

Schille, J.-P., see Tatnall, C.J. **177/181**: 1181

Schillé, J.Ph., see Lauhoff, G. **177/181**: 1253

Schilling, P.J., see Flores, W.H. **188**: 17

Schimansky-Geier, L., see Dikshtein, I. **188**: 301

Schlabitz, W., see Hücker, M. **177/181**: 539

Schmidbauer, E., see Keller, R. **187**: 160

Schmidt, J., see Foss, S. **190**: 60

Schmidt, J., G. Skidmore, S. Foss, E.D. Dahlberg, C. Merton, Magnetization reversal processes in perpendicular anisotropy thin films observed with magnetic force microscopy **190**: 81

Schmidt, J., R. Tickle, G.D. Skidmore, C. Merton, R.D. James, E.D. Dahlberg, Microscopic stress-induced magnetization changes in a fracture (1 1 1) surface of Terfenol-D observed with magnetic force microscopy **190**: 98

Schmidt, J., S. Foss, G.D. Skidmore, E.D. Dahlberg, C. Merton, Localized magnetostrictive magnetization reversal using scanning probe tips **190**: 108

Schmidt, M., see Luciński, T. **174**: 192

Schmidt, S., see Sieling, M. **177/181**: 695

Schmidthals, C., see Sander, D. **177/181**: 1299

Schmitt, D., see Charrier, B. **171**: 106

Schmitt, D., see Charrier, B. **189**: 165

Schmool, D.S., J.S. Garitaonandia, P. Gorria and J.M. Barandiarán, Ferromagnetic resonance and Mössbauer studies of amorphous and nanocrystalline FeZrCuB at various stages in the crystallisation process **177/181**: 955

Schneider, C.M., see Zharnikov, M. **174**: 40

Schneider, C.M., Soft X-ray photoemission electron microscopy as an element-specific probe of magnetic microstructures **175**: 160

Schnelle, W., see Köbler, U. **188**: 333

Schobinger-Papamantellos, P., see Brabers, J.H.V.J. **171**: 267

Schobinger-Papamantellos, P., see Janssen, Y. **177/181**: 1147

Schobinger-Papamantellos, P., O. Oleksyn, J. Rodríguez-Carvajal, G. André, E. Brück and K.H.J. Buschow, Atomic disorder, magnetic order and phase transitions of $TbFe_6Ge_6$ studied by X-ray, neutron diffraction and magnetic measurements (I) **182**: 96

Schobinger-Papamantellos, P., K.H.J. Buschow and C. Ritter, Magnetic ordering and phase transitions of RFe_4Al_8 (R = La, Ce, Y, Lu) compounds by neutron diffraction **186**: 21

Schobinger-Papamantellos, P., see Zaharko, O. **187**: 293

Schobinger-Papamantellos, P., K.H.J. Buschow, C. Wilkinson, F. Fauth and C. Ritter, The double nature of the $ErNiSi_2$ magnetic structure neutron diffraction and magnetic measurements **189**: 214

Schoenes, J. and R. Pittini, Giant magneto-optical Kerr effect in cerium compounds **175**: 51

Schoenes, J., see Pittini, R. **177/181**: 472

Schoenes, J., P. Repond, F. Hulliger, S.P. Lim and B.R. Cooper, Optical properties of DyP and DyBi: Experiment and theory **177/181**: 1046

Schrefl, T., see Chantrell, R.W. **175**: 137

Schrefl, T., J. Fidler, K.J. Kirk and J.N. Chapman, Domain structures and switching mechanisms in patterned magnetic elements **175**: 193

Schrefl, T. and J. Fidler, Modelling of exchange-spring permanent magnets (*Invited paper*) **177/181**: 970

Schreiber, R., see Voges, F. **190**: 183

Schreiner, W.H., see Flores, W.H. **189**: 32

Schreyer, A., see Sonntag, P. **183**: 5

Schroeder, P.A., P. Holody, R. Loloee, C. Vouille, A. Barthelemy, A. Fert and S.Y. Hsu, Unified picture of spin-dependent transport in GMR multilayered structures and bulk ferromagnetic alloys **177/181**: 1464

Schuetz, G., Magnetic absorption **175**: 34

Schuhl, A., see Postava, K. **172**: 199

Schuhl, A., see Jaffres, H. **184**: 19

Schulenburg, J., see Richter, J. **177/181**: 737

Schuller, I.K., see Martin, J.I. **177/181**: 915

Schuller, I.K., see Almeida, B.G. **177/181**: 1170

Schuller, I.K., see Pechan, M.J. **183**: 19

Schuller, I.K., see Lederman, D. **183**: 261

Schuller, I.K., see Velez, M. **184**: 275

Schultz, L., see Geoghegan, D.S. **177/181**: 1478

Schultz, L., see Gutfleisch, O. **183**: 359

Schultz, L., see Freudenberger, J. **187**: 309

Schultz, L., see Neu, V. **189**: 391

Schultz, L., see Zueco, E. **190**: 42

Schweinböck, T., see Zölfl, M. **175**: 16

Schweizer, J., see Alonso, J.A., **177/181**: 1048

Scorzelli, R.B., see Rancourt, D.G. **174**: 324

Sechovsky, V., see Aoki, Y. **177/181**: 271

Sechovsky, V., see Iwamoto, Y. **177/181**: 585

Sechovský, V., see Cuong, T.D. **177/181**: 597

Sechovský, V., see de Châtel, P.F. **177/181**: 785

Sechovský, V., see Javorský, P. **177/181**: 1052

Sechovský, V., see Cuong, T.D. **182**: 143

Sechovský, V., see Prokeš, K. **184**: 369

Sedky, A., see Awana, V.P.S. **182**: L280

Sedov, V.L. and O.A. Tsigel'nik, Magnetic moments of iron atoms in Invar Fe–Ni alloys **183**: 117

Seeger, M., see Mohan, Ch.V. **174**: 89

Seeger, M., see Mohan, Ch.V. **183**: 348

Seeger, M., see Zern, A. **184**: 89

Seeger, M., see Goll, D. **185**: 49

Seehra, M.S., see Seifu, D. **189**: 305

Ségransan, P., see Horvatić, M.Y. **177/181**: 669

Seifu, D., F.W. Oliver, E. Hoffman, A. Aning, V.S. Babu and M.S. Seehra, Magnetic properties of nanoscale $Sm_{0.25}Zr_{0.75}Fe_3$ produced by mechanical alloying **189**: 305

Seino, Y., see Furusawa, M. **177/181**: 1317

Sekar, R., see Vaidyanathan, G. **176**: 321

Sekine, C., T. Tayama, T. Sakakibara, S. Murayama, I. Shirotani and Y. Onuki, Low-temperature magnetization of $Ce(Ru_{0.85}Rh_{0.15})_2Si_2$ **177/181**: 411

Sekine, T., see Kuroe, H. **177/181**: 679

Sekine, T., H. Kuroe, J. Sasaki, K. Uchinokura and M. Hase, Raman scattering from magnetic excitations in Zn- and Si-doped $CuGeO_3$ **177/181**: 691

Sekizawa, K., M. Kitagawa and Y. Takano, Magnetic properties of Pr ions in perovskite-type oxides **177/181**: 541

Semitelou, J.P. and J.K. Yakinthos, Commensurate and incommensurate magnetic structure of Tb_5Sn_3 **186**: 107

Sena, S.P., R.A. Lindley, H.J. Blythe, Ch. Sauer, M. Al-Kafarji and G.A. Gehring, Investigation of magnetite thin films produced by pulsed laser deposition **176**: 111

Sénateur, J.P., see Pignard, S. **177/181**: 1227

Sengupta, M., see Hartridge, A. **176**: L89

Senoussi, S., see Hadjoudj, S. **175**: 328

Senoussi, S., see Öner, Y. **185**: 305

Senthil Kumar, M., see Clemens, D. **177/181**: 1237

Señarís-Rodríguez, M.A., M.P. Breijo, S. Castro, J. Mira, R.D. Sánchez, J. Rivas and D. Fiorani, Comparison between magnetic and electrical properties of $La_{1-x}Sr_xCoO_3$ ($0 < x \leqslant 0.50$) particles obtained by different synthesis methods **177/181**: 935

Sera, M., see Takabatake, T. **177/181**: 277

Sera, M., see Hiroi, M. **177/181**: 429

Sergeev, N.A., see Abelyashev, G.N. **184**: 222

Serna, C.J., see Morales, M.P. **183**: 232
Serna, C.J., see Morales, M.P. **190**: 357
Seropegin, Yu.D., see Nikitin, S.A. **182**: 375
Seshan, K., see Anantharaman, M.R. **189**: 83
Sessoli, R., see Barra, A.L. **177/181**: 709
Sessoli, R., see Caneschi, A. **177/181**: 1330
Seto, H., see Kuroe, H. **177/181**: 679
Settai, R., see Aoki, Y. **177/181**: 271
Settai, R., S. Araki, P. Ahmet, M. Abliz, K. Sugiyama and Y. Onuki, Anisotropic ferroquadrupolar phase in magnetic fields for $PrCu_2$ **177/181**: 357
Settai, R., see Sugawara, H. **177/181**: 359
Settai, R., see Sugiyama, K. **177/181**: 361
Settai, R., see Aoki, D. **177/181**: 365
Settai, R., see Takashita, M. **177/181**: 417
Sezai, Y., see Homma, T. **173**: 314
Shablovskii, A.V., see Virchenko, V.A. **183**: 78
Shabunina, G.G., see Warczewski, J. **175**: 299
Shah, V.R., G. Markandeyulu, K.V.S. Rama Rao, M.Q. Huang, K. Sirisha and M.E. McHenry, Structural and magnetic properties of $Pr_3(Fe_{1-x}Co_x)_{27.5}Ti_{1.5}$ ($x = 0.0$, 0.1, 0.2, 0.3) **190**: 233
Shakhmuratova, L.N., D.K. Fowler and D.H. Chaplin, Multistructural character of nuclear spin echo signals formed from multidomain ferromagnets: theory and experiment **177/181**: 1476
Shang, G., see Tian, F. **171**: 135
Shanina, B.D., see Rakitina, L.G. **184**: 238
Shen, B.-g., see Zhang, H.-w. **187**: 247
Shen, B.G., see Xu, W.M. **172**: 183
Shen, Bao-gen, see Zhang, Jun-xian **183**: 111
Shen, D.-F., see Li, M. **176**: 331
Shen, G.T., see Yang, X.L. **175**: 285
Shen, H., see Bhar, G.C. **188**: 180
Shevchenko, P., L. Świerkowski and J. Oitmaa, Interlayer coupling in magnetic semiconductor multilayers **177/181**: 1168
Shi, Y., see Fang, X. **187**: 79
Shi, Y.M., D.C. Jiles and A. Ramesh, Generalization of hysteresis modeling to anisotropic and textured materials **187**: 75
Shiba, H., see Shiina, R. **177/181**: 303
Shibata, A., see Oikawa, S. **177/181**: 1273
Shibata, T., see Itoh, M. **190**: 210
Shick, A., see Wu, R.Q. **177/181**: 1216
Shick, A.B., D.L. Novikov and A.J. Freeman, Relativistic theory of magnetoelastic coupling and magnetic surface anisotropy: Co/Cu(0 0 1) **177/181**: 1223
Shidara, T., see Katayama, T. **177/181**: 1251
Shield, J.E., C.P. Li and D.J. Branagan, Microstructures and phase formation in rapidly solidified Sm–Fe and Sm–Fe–Ti–C alloys **188**: 353
Shiga, M., see Wada, H. **177/181**: 363
Shiga, M., see Yoshie, H. **177/181**: 481
Shiga, M., see Nakamura, H. **177/181**: 595
Shiga, M., H. Imai and H. Wada, Calorimetric study on sulfur-deficient ferromagnetic $BaVS_3$ **177/181**: 1347
Shigeoka, T., M. Nishi and K. Kakurai, Neutron diffraction study of metamagnetism on $TbCo_2Ge_2$ single crystal **177/181**: 1093
Shiiki, K., see Kai, T. **183**: 292
Shiina, R., H. Shiba and P. Thalmeier, Magnetic-field effects on quadrupolar ordering in CeB_6 **177/181**: 303
Shima, T., A. Kamegawa, E. Aoyagi, Y. Hayasaka and H. Fujimori, Magnetic properties and structure of Nd–Fe–B thin films with Cr and Ti underlayers **177/181**: 911
Shima, T., see Lim, S.H. **189**: 1
Shimabukuro, R., see Burkov, A.T. **177/181**: 1067
Shimabukuro, R., see Burkov, A.T. **177/181**: 1069
Shimada, Y., see Sakurai, T. **173**: 185
Shimatsu, T., see Lodder, J.C. **175**: 159
Shimatsu, T., see Imakawa, M. **182**: 403
Shimatsu, T., see Igaki, M. **183**: 209
Shimizu, H., see Hoshi, Y. **177/181**: 241
Shimizu, H., see Katsumata, K. **177/181**: 626
Shimizu, K., see Ichinose, K. **177/181**: 1113
Shimizu, K., F. Ogasawara and K. Ichinose, NMR study of electric hyperfine interaction of rare earth in $RFe_{11}Ti$ (R = Nd, Sm, Tb, Dy, Er and Lu) **177/181**: 1139
Shimizu, N., see Takabatake, T. **177/181**: 277
Shimizu, N., see Iga, F. **177/181**: 337
Shimizu, Y., O. Sakai and S. Suzuki, Analysis of non-Fermi-liquid behavior in dilute uranium alloy based on numerical renormalization group method **177/181**: 316
Shimizu, Y., see Sakai, O. **177/181**: 327
Shimoji, T., see Burkov, A.T. **177/181**: 1067
Shimoji, T., see Burkov, A.T. **177/181**: 1069
Shimoji, T., see Nakama, T. **177/181**: 1369
Shimojo, Y., see Hori, T. **177/181**: 1425
Shimojyo, Y., see Tsuchiya, Y. **177/181**: 1447
Shimomura, O., see Ishizuka, M. **177/181**: 725
Shin, K.H., C.D. Graham, Jr. and P.Y. Zhou, Effects of application of axial fields on asymmetric magnetization reversal **177/181**: 225
Shin, K.H., see Chang, H.S. **177/181**: 913
Shin, S., see Motoya, K. **177/181**: 593
Shinagawa, K., see Kurimoto, M. **177/181**: 245
Shinagawa, K., see Matsubayashi, S. **177/181**: 249
Shinagawa, K., E. Tobita, T. Saito and T. Tsushima, Faraday effect in (Pb^{2+}, Th^{+})-substituted magnetic garnets **177/181**: 251
Shinagawa, K., see Matsuo, A. **177/181**: 909
Shinagawa, K., see Urakabe, T. **177/181**: 1145
Shinde, S.R., A. Bhagwat, S.I. Patil, S.B. Ogale, G.K. Mehta, S.K. Date and G. Marest,

Influence of 85 MeV oxygen ion irradiation on magnetization behavior of micron-sized and nano-sized powders of strontium ferrite ($SrFe_{12}O_{19}$) **186**: 342
Shindo, Y., see Goto, T. **177/181**: 579
Shinjo, T., see Kobayashi, Y. **176**: 164
Shinjo, T., see Mibu, K. **177/181**: 1267
Shinjo, T., see Emoto, T. **189**: 136
Shinozaki, H., see Hoshi, Y. **177/181**: 241
Shintani, K., see Burkov, A.T. **177/181**: 1067
Shintani, K., see Burkov, A.T. **177/181**: 1069
Shiohara, Y., see Matsukawa, M. **177/181**: 529
Shiokawa, Y., see Li, D.X. **176**: 261
Shiokawa, Y., see Ohno, T. **177/181**: 453
Shiomi, J., see Ono, Y. **187**: 113
Shiozaki, I., Magnetic property of vanadium–molybdenum oxides **177/181**: 261
Shipil, E.V., see Pohorilyi, A.N. **186**: 87
Shirai, M., see Miyazaki, S. **177/181**: 1367
Shirai, M., T. Ogawa, I. Kitagawa and N. Suzuki, Band structures of zinc-blende-type MnAs and $(MnAs)_1(GaAs)_1$ superlattice **177/181**: 1383
Shirai, M., see Takagaki, M. **177/181**: 1385
Shiraishi, H., T. Hori, H. Kato, H. Onodera, Y. Yamaguchi and K. Kanematsu, Magnetic properties of $(Ni_{1-x}Mn_x)_{1.9}Ge$ Alloys **177/181**: 1417
Shiraishi, H., see Hori, T. **177/181**: 1425
Shiramura, W., K. Takatsu, H. Tanaka, K. Takizawa, M. Takahashi, K. Kamishima, H. Mitamura and T. Goto, Ground state and energy gap of quantum double spin chain system: $KCuCl_3$ family **177/181**: 693
Shiramura, W., see Takatsu, K. **177/181**: 697
Shirotani, I., see Sekine, C. **177/181**: 411
Shkar, V.F., see Dellalov, V.S. **172**: 74
Shoji, H., see Takahashi, H. **174**: 57
Short, G., see Jackson, M. **177/181**: 1287
Shtertser, A., see Ruuskanen, P. **182**: 185
Siberchicot, B., see Uhl, M. **187**: 201
Sieling, M., T. Rieth, S. Schmidt, B. Lüthi and S.A. Zvyagin, Magnetic resonances in powder-samples of quasi-one-dimensional anisotropic $S = 1$ spin systems **177/181**: 695
Sigeoka, T., see Kawae, T. **177/181**: 795
Silonov, V., see Prudnikov, V. **188**: 393
Simanjuntak, H.P., Quantum coherence in particles of orthoferrites **182**: 19
Simon, A., see Smith, T.J. **177/181**: 543
Simon, Ch., see Wolfman, J. **174**: L5
Simopoulos, A., G. Kallias, E. Devlin, I. Panagiotopoulos and M. Pissas, Spin fluctuations in $La_{2/3}Ca_{1/3}MnO_3$ probed by ^{57}Fe and ^{119}Sn Mössbauer spectroscopy **177/181**: 860
Simopoulos, A., see Dimitrov, D. **177/181**: 1308
Simopoulos, A., see Dimitrov, D.V. **188**: 8
Simpson, J.A., see Cowley, R.A. **177/181**: 1012
Šimša, Z., see Gerber, R. **175**: 79
Sinclair, G., see Hutchings, J.A. **177/181**: 1201
Sindhu, S., see Anantharaman, M.R. **189**: 83
Singh, D.J., see Pickett, W.E. **172**: 237
Singh, R., see Awana, V.P.S. **187**: 192
Sinh, N.H., see Man, N.K. **177/181**: 527
Sinha, G. and A.K. Majumdar, Linear and non-linear AC susceptibilities in different magnetic phases of Fe-rich γ-FeNiCr alloys **185**: 18
Sinka, V., see Ferrante, M. **188**: 125
Sinnema, S., see Thang, P.D. **177/181**: 1099
Siratori, K., see Kino, Y. **177/181**: 243
Sirisathitkul, C., see Gregg, J. **175**: 1
Sirisha, K., see Shah, V.R. **190**: 233
Sirotti, F., see Macedo, W.A.A. **177/181**: 1262
Sizova, Z.I., see Ol'khovik, L.P. **183**: 181
Skidmore, G., see Foss, S. **190**: 60
Skidmore, G., see Schmidt, J. **190**: 81
Skidmore, G.D., see Schmidt, J. **190**: 98
Skidmore, G.D., see Schmidt, J. **190**: 108
Skolozdra, R.V., see Vert, R. **174**: 117
Skolozdra, R.V., see Kaczmarska, K. **187**: 210
Škorvánek, I., see Idzikowski, B. **177/181**: 941
Škulj, I., see McGuiness, P.J. **188**: 119
Skvarla, M., see Gregg, J. **175**: 1
Slanič, Z. and D.P. Belanger, The random-field specific heat critical behavior at high magnetic concentration: $Fe_{0.93}Zn_{0.07}F_2$ **186**: 65
Sławiński, P., see Kletowski, Z. **182**: 389
Ślawska-Waniewska, A., see Lachowicz, H.K. **190**: 267
Ślebarski, A., A. Jezierski, M. Neumann and S. Plogmann, Electronic structure of $Co_{2-x}Pd_xTiSn$ alloys **185**: 43
Šmakov, J., S. Lapinskas, E.E. Tornau and A. Rosengren, Magnetization and compensation temperature of transition-metal–rare-earth multilayers in a model with long-range interactions **190**: 157
Smardz, L., see Müller-Hartmann, E. **173**: 133
Smardz, L., see Kowalczyk, A. **190**: 205
Smit, P., see Prinsloo, A.R.E. **177/181**: 1413
Smit, P., see Martynova, J. **187**: 345
Smith, D.J., see Dieny, B. **185**: 283
Smith, T.J., K.H. Andersen, U. Beck, H. Capellmann, R.K. Kremer, K.-U. Neumann, O. Schärpf, A. Simon and K.R.A. Ziebeck, Absence of local moments in superconductor $YBa_2Cu_3O_{6.95}$ **177/181**: 543
Smits, R.H.H., see Anantharaman, M.R. **189**: 83
Snel, C.E., see El Massalami, M. **172**: 139
Soares, J.C., see Pereira de Azevedo, M.M. **173**: 230
Soares, J.C., see Amaral, V.S. **177/181**: 511
Sobolev, V.L., S.C. Chen and H.L. Huang, Manifestation of nonconservation of magnetization modulus in the steady-state domain wall motion **172**: 83

Sobolev, V.L., Internal structure of a domain wall in ultrathin magnetic film **177/181**: 195
Sogabe, T., see Ebisu, S. **177/181**: 1073
Sohma, M., see Kawaguchi, K. **177/181**: 1186
Sohma, M., see Manago, T. **177/181**: 1191
Sohn, B.H., R.E. Cohen and G.C. Papaefthymiou, Magnetic properties of iron oxide nanoclusters within microdomains of block copolymers **182**: 216
Sohn, D., Kinetic studies of magnetic latex particles' self-assembly under applied magnetic field **173**: 305
Soika, E., see Zablotskii, V. **182**: 31
Soldevilla, J.G., J.C.G. Sal, J. Rodríguez-Fernández, J.I. Espeso and M.A. Argüelles, Evolution of the magnetic behaviour on $PrNi_{1-x}Cu_x$: effect of the crystal electric field and the exchange interactions **186**: 49
Sollis, P., see Chantrell, R.W. **177/181**: 894
Sollis, P.M., P.R. Bissell, T. Mercer, J.A. Gotaas and R.G. Gilson, Dispersion stability during the settling process **177/181**: 892
Sologub, O., see Hiebl, K. **186**: 56
Solovyev, I.V., Effect of the orthorhombic distortion on the magneto-optical properties of $SrRuO_3$ **177/181**: 811
Solovyev, I.V., A.I. Liechtenstein and K. Terakura, Orbital magnetism in FeO **185**: 118
Somekh, R.E., see Hall, M.J. **173**: 253
Sommer, R.L., see Ambrose, T. **177/181**: 1235
Song, J.-S., see Kim, H.-S. **177/181**: 907
Song, X., see Yan, A. **185**: 369
Song, Y.Y., S.C. Yu, W.T. Kim, J.R. Park and T.H. Kim, The effect of Bi_2O_3 addition on the microstructure and magnetic properties of YIG **177/181**: 257
Sonntag, P., P. Bödeker, A. Schreyer, H. Zabel, K. Hamacher and H. Kaiser, Magnetic phase diagram for spin-density waves in thin epitaxial Cr(0 0 1) films **183**: 5
Sonobe, Y., see Ikeda, Y. **176**: 13
Šoškić, Z., B. Babić Stojić, M. Stojić, D. Milivojević, A. Szytula and Z. Tomkowicz, Magnetic susceptibility of $Hg_{1-x}Fe_2Se$ **175**: 311
Soubeyroux, J.L., see Garcia-Landa, B. **182**: 207
Souche, Y., V. Novosad, B. Pannetier and O. Geoffroy, Magneto-optical diffraction and transverse Kerr effect **177/181**: 1277
Sousa, J.B., see Pereira de Azevedo, M.M. **173**: 155
Sousa, J.B., see Pereira de Azevedo, M.M. **173**: 230
Sousa, J.B., see Amaral, V.S. **177/181**: 511
Sousa, J.B., see Parnell, S.R. **177/181**: 1014
Sousa, J.B., see Almeida, B.G. **177/181**: 1170
Spanjaard, D., see Guirado-López, R. **186**: 214
Sparks, P., see Gregg, J. **175**: 1
Sparn, G., see Donnevert, L. **177/181**: 375
Sparn, G., see Link, A. **177/181**: 401
Speliotis, A., O. Kalogirou, N. Vouroutzis and D. Niarchos, Magnetostrictive properties of amorphous and nanocrystalline TbDyFe films with Nb and Zr additives **187**: 17
Spinu, L., see Dormann, J.L. **183**: L255
Spinu, L., see Dormann, J.L. **187**: L139
Spinu, L. and A. Stancu, Modelling magnetic relaxation phenomena in fine particles systems with a Preisach–Néel model **189**: 106
Spirgatis, A., see Baumann, M. **177/181**: 497
Spirlet, J.C., see Gonçalves, A.P. **189**: 283
Srinath, S., see Kumar, M.M. **188**: 203
Srivastava, C., see Misra, S.K. **187**: 93
Srivastava, P., see May, F. **177/181**: 1220
St. Pierre, T.G., see Allen, P.D. **177/181**: 1459
Stacey, M.H., see Pullar, R.C. **186**: 313
Stachow-Wójcik, A., see Łazarczyk, P. **176**: 233
Stacy, A.M., see Fisher, R.A. **177/181**: 787
Stahlmann, H.-D., see Nethe, A. **189**: 255
Stamm, C., Ch. Würsch, S. Egger and D. Pescia, Amplification of the short-wavelength oscillations in exchange coupled Co-films by low-temperature deposition **177/181**: 1279
Stamps, R.L. and R.E. Camley, Frustration and finite size effects of magnetic dot arrays **177/181**: 813
Stancu, A., see Spinu, L. **189**: 106
Stancu, Al., see Papusoi, Jr., C. **174**: 236
Stankiewicz, A., see Tarasenko, S.V. **189**: 19
Staunton, J.B., see Ling, M.F. **177/181**: 1399
Staunton, J.B., see Lathiotakis, N.N. **185**: 293
Steglich, F., see Helfrich, R. **177/181**: 309
Steglich, F., see Donnevert, L. **177/181**: 375
Steglich, F., see Link, A. **177/181**: 401
Steglich, F., see Langhammer, C. **177/181**: 443
Steglich, F., see Weiden, M. **177/181**: 743
Steglich, F., see Drescher, K. **182**: L275
Steiner, M., see Yamaguchi, H. **177/181**: 750
Steiner, W., see Bogner, J. **177/181**: 839
Štěpánková, H., J. Kohout, P. Novák, J. Englich, H. Lütgemeier and M. Trhlík, Hyperfine field anisotropy in YIG with diamagnetic impurities **177/181**: 239
Štěpánková, H., J. Englich, E.G. Caspary and H. Lütgemeier, Hyperfine field anisotropy on iron nuclei in barium hexaferrite **177/181**: 253
Štěpánková, H., E.-G. Caspary, J. Englich, J. Kohout, M. Kučera, P. Novák, K. Nitsch, M.M. Savosta, H. Lütgemeier and H.A.M. de Gronckel, Charged substitutions in yttrium iron garnets **185**: 225
Stepanov, A., see Barra, A.-L. **177/181**: 783
Stepanov, A.A., see Monod, P. **177/181**: 739
Stepanov, V.I., see Gazeau, F. **186**: 175
Stergioudis, G.A., see Efthimiadis, K.G. **185**: 187
Stetsenko, A.N., see Zorchenko, V.V. **183**: 25
Stewart, G., see Strecker, M. **177/181**: 1095

Stewart, G.A., see Harker, S.J. **183**: 101
Stewart, G.R., see Langhammer, C. **177/181**: 443
Stewart, J.R., A.D. Hillier, S.H. Kilcoyne, P. Manuel, M.T.F. Telling and R. Cywinski, Moment localisation in β-MnAl **177/181**: 602
Stewart, J.R., see Hillier, A.D. **177/181**: 1111
Steyaert, S., see Edgley, D.S. **173**: 29
Steyaert, S., J.-M. Le Breton and I.R. Harris, Microstructural investigation of oxidized Nd–Fe–B powders: Influence of particle size on the oxidation behaviour **176**: 297
Stiefel, B. see Moser, A. **190**: 114
Stiefel, B., see Abelmann, L. **190**: 135
Stobiecki, F., see Luciński, T. **174**: 192
Stobiecki, F., see Urbaniak, M. **190**: 187
Stobiecki, T., see Paja, A. **186**: 104
Stojić, M., see Šoškić, Z. **175**: 311
Störk, H., see Odenbach, S. **183**: 188
Störmer, M., see Neubauer, M. **189**: 8
Story, T., see Łazarczyk, P. **176**: 233
Strach, T., see Nekvasil, V. **177/181**: 535
Strange, P., see Jenkins, A.C. **177/181**: 1039
Strange, P., see Arola, E. **177/181**: 1415
Strecker, M., P. Hettkamp, G. Wortmann and G. Stewart, ^{155}Gd Mössbauer study of Gd_2BaCuO_5 **177/181**: 1095
Strecker, M., see Mallik, R. **185**: L135
Street, R., see Thompson, P.J. **171**: 153
Street, R., see Thompson, P.J. **171**: 163
Street, R., see Ding, J. **171**: 309
Street, R., see Eilon, M.G. **175**: 249
Street, R., see Miao, W.F. **175**: 304
Street, R., see Ding, J. **177/181**: 933
Street, R., see Geoghegan, D.S. **177/181**: 937
Street, R., see Miao, W.F. **177/181**: 976
Street, R., see Bradbury, D.L. **177/181**: 980
Street, R., see Crew, D.C. **177/181**: 987
Street, R., see Gouteff, P.C. **177/181**: 1241
Street, R., see McDonnell, M. **177/181**: 1281
Street, R., see Allen, P.D. **177/181**: 1459
Strijkers, G.J., see Swagten, H.J.M. **176**: 169
Ström, V., see Kim, K.-S. **177/181**: 553
Strydom, A.M. and P.d.V. du Plessis, Magnetoresistance in $Ce_xNd_{1-x}Cu_6$ **177/181**: 413
Strydom, A.M., see de V. du Plessis, P. **177/181**: 457
Studer, F., see Toulemonde, O. **190**: 307
Stüßer, N., see Reehuis, M. **177/181**: 805
Stüßer, N., Z. Zolnierek and X. Hu, Magnetic neutron powder diffraction on some $UCu_{2-x}Ga_{2+y}$ ternaries of the $ThCr_2Si_2$-type structure **177/181**: 815
Suard, E., see Mirebeau, I. **175**: 290
Subject index **177/181**: 1501
Suellow, S., see Nieuwenhuys, G.J. **177/181**: 803
Suga, S., see Imada, S. **177/181**: 387
Sugawara, H., see Aoki, Y. **177/181**: 271
Sugawara, H., see Yoshizawa, M. **177/181**: 305
Sugawara, H., Y. Abe, Y. Aoki, H. Sato, M. Hedo, R. Settai and Y. Onuki, De Haas–van Alphen effect in RFe_4P_{12} (R = La and Nd) **177/181**: 359
Sugawara, H., see Sato, H. **177/181**: 409
Sugawara, H., see Aoki, Y. **177/181**: 559
Sugawara, T., K. Takanashi and H. Fujimori, Appearance of GMR on annealing in Cu–Co granular alloys with high Co concentration **177/181**: 951
Sugawara, Y., see Kanomata, T. **177/181**: 589
Sugie, A., see Yu, X.Y. **177/181**: 1203
Sugita, Y., see Nakatani, R. **173**: 321
Sugiyama, K., see Settai, R. **177/181**: 357
Sugiyama, K., Y. Yoshida, A. Koyanagi, R. Settai, T. Takeuchi, K. Kindo and Y. Onuki, Metamagnetism based on the quadrupolar interaction in RCu_2 **177/181**: 361
Sui, Y.-c., see Zhang, Z.-D. **188**: 246
Sui, Y.C., Z.D. Zhang, Q.F. Xiao, W. Liu, T. Zhao, X.G. Zhao and Y.C. Chuang, Structural stability and magnetic properties of $Nd_2Fe_{14}C$ synthesized by mechanical alloying **172**: 285
Sui, Y.X., see Kang, S.S. **187**: 154
Sui, Yu-cheng, see Zhang, Z.-D. **184**: 101
Sukhorukov, Yu.P., N.N. Loshkareva, A.A. Samokhvalov, S.V. Naumov, A.S. Moskvin and A.S. Ovchinnikov, Magnetic phase transitions in optical spectrum of magnetic semiconductor CuO **183**: 356
Sukiennicki, A., see Tucker, J.W. **187**: 381
Sulpice, A., see Barbara, B. **177/181**: 1324
Sumi, T., see Kontani, M. **177/181**: 397
Sumiyama, A., see Hirayama, T. **177/181**: 521
Sumiyama, A., see Nakagawa, M. **177/181**: 533
Sumiyama, K., see Peng, D.L. **172**: 41
Sumiyama, K., see Kobayashi, Y. **176**: 164
Sumiyama, K., see Kishimoto, Y. **177/181**: 367
Sumiyama, K., see Ohno, T. **177/181**: 453
Sumiyama, K., see Uehara, M. **177/181**: 997
Sumiyama, K., see Peng, D.-L. **184**: 319
Sun, H., Z. Li, X. Nie and G. Guo, The annihilation of VBLs in the walls of second kind of dumbbell domains to which bias fields and in-plane fields are alternately applied **176**: 213
Sun, H.Y., see Tang, G.D. **185**: 379
Sun, K., see Lin, C. **186**: 129
Sun, Q., see Wang, Q. **184**: 106
Sun, Qiang, see Wang, Jian-Tao **183**: 42
Sun, Wen-sheng, Shan-dong Li and Ming-xiu Quan, The effect of phase constituent on the magnetic properties for melt-spun $Nd_{15}Fe_{77}B_8$ ribbons **176**: 307
Sun, X., see Wang, F. **177/181**: 1056
Sun, X., see Zhang, J. **190**: 166
Sun, X.K., see Zhang, Z.-D. **184**: 101

Sun, X.K., see Xiao, Q.F. **184**: 330
Sun, X.K., see Zhang, Z.-D. **188**: 246
Sun, Y.-X., see Yao, Z.-Y. **177/181**: 1291
Sun, Y.-X., see Lin, C. **186**: 129
Sunada, H., see Peng, D.-L. **184**: 319
Sundaresan, A., see Maignan, A. **184**: 83
Suryanarayana, S.V., see Kumar, M.M. **188**: 203
Suryavanshi, S.S., see Sankpal, A.M. **186**: 349
Susa, M., see Hayashi, M. **171**: 170
Sushkov, O., see Kotov, V.N. **177/181**: 727
Sushkov, O.P., The spin-wave condensation and quantum melting of long-range antiferromagnetic order in the t–J model **177/181**: 493
Suto, H., see Takemura, Y. **177/181**: 1319
Sutter, J.P., A. Lang, O. Kahn, C. Paulsen, L. Ouahab and Y. Pei, Ferromagnetic interactions, and metamagnetic behavior of 4,5-dimethyl-1,2,4-triazole-nitronyl-nitroxide **171**: 147
Suzuki, E., see Hoshi, Y. **176**: 51
Suzuki, H., see Yoshii, S. **177/181**: 427
Suzuki, H., see Abe, H. **177/181**: 479
Suzuki, H., see Kou, X.C. **177/181**: 1002
Suzuki, J., K. Takei, Y. Maeda and Y. Morii, Small-angle neutron scattering study of magnetic microstructures in Co–Cr films **184**: 116
Suzuki, K., see Peng, D.L. **172**: 41
Suzuki, K., see Kobayashi, Y. **176**: 164
Suzuki, K., see Kishimoto, Y. **177/181**: 367
Suzuki, K., see Ohno, T. **177/181**: 453
Suzuki, K., see Jamali, J.B. **177/181**: 789
Suzuki, K., see Takeda, K. **177/181**: 817
Suzuki, K., G. Herzer and J.M. Cadogan, The effect of coherent uniaxial anisotropies on the grain-size dependence of coercivity in nanocrystalline soft magnetic alloys **177/181**: 949
Suzuki, K., see Uehara, M. **177/181**: 997
Suzuki, K., see Peng, D.-L. **184**: 319
Suzuki, M., see Ishiguro, A. **177/181**: 1355
Suzuki, N., see Kokado, S. **177/181**: 677
Suzuki, N., see Kitagawa, I. **177/181**: 1357
Suzuki, N., see Miyazaki, S. **177/181**: 1367
Suzuki, N., see Sato, K. **177/181**: 1381
Suzuki, N., see Shirai, M. **177/181**: 1383
Suzuki, N., see Yamada, H. **183**: 94
Suzuki, S., see Shimizu, Y. **177/181**: 316
Suzuki, S., see Sakai, O. **177/181**: 327
Suzuki, T., see Van Drent, W.P. **175**: 53
Suzuki, T., see Phillips, G.N. **175**: 115
Suzuki, T., see Abarra, E.N. **175**: 148
Suzuki, T., see Li, D.X. **176**: 261
Suzuki, T., see Takabatake, T. **177/181**: 277
Suzuki, T., see Kohgi, M. **177/181**: 307
Suzuki, T., see Hashi, K. **177/181**: 335
Suzuki, T., see Ohoyama, K. **177/181**: 339
Suzuki, T., see Oyamada, A. **177/181**: 343
Suzuki, T., see Pittini, R. **177/181**: 345
Suzuki, T., see Kimura, S. **177/181**: 349
Suzuki, T., see Kimura, S. **177/181**: 351
Suzuki, T., see Sakon, T. **177/181**: 355
Suzuki, T., see Aoki, H. **177/181**: 371
Suzuki, T., see Iwasa, K. **177/181**: 393
Suzuki, T., see Izawa, K. **177/181**: 395
Suzuki, T., N. Okuda, H. Goshima, T. Fujita, M. Hedo, Y. Inada, Y. Onuki, E. Yamamoto and Y. Haga, Acoustic de Haas van Alphen effect of $CeRu_2$ **177/181**: 415
Suzuki, T., see Terashima, T. **177/181**: 421
Suzuki, T., K. Kumagai, Y. Kohori and T. Kohara, Study of antiferromagnetic order in $U(Pt_{1-x}Pd_x)_3$ by heat capacity measurement **177/181**: 461
Suzuki, T., see Takeuchi, T. **177/181**: 463
Suzuki, T., see Takahashi, T. **177/181**: 1027
Suzuki, Y., see Takanashi, K. **177/181**: 1199
Suzuki, Y., see Katayama, T. **177/181**: 1251
Suzuki, Y., see Yuasa, S. **177/181**: 1296
Svedberg, E.B., see Granberg, P. **186**: 154
Svedlindh, P., see Bødker, F. **177/181**: 925
Svedlindh, P., see Hansen, M.F. **177/181**: 928
Svistov, L.E., see Safonov, V.L. **173**: 43
Swagten, H.J.M., G.J. Strijkers, G.L.J. Verschueren, M.M.H. Willekens and W.J.M. de Jonge, Interface-selective determination of spin-dependent scattering **176**: 169
Swainson, I.P., see Lamarche, A.-M. **186**: 121
Swann, C.P., see Dimitrov, D. **177/181**: 1308
Świerkowski, L., see Shevchenko, P. **177/181**: 1168
Swinnen, B., J. Dekoster, J. Meersschaut, S. Demuynck, S. Cottenier, G. Langouche and M. Rots, Structure and magnetism of BCC-Fe/Co multilayers studied by means of perturbed angular correlation spectroscopy **175**: 23
Swinnen, B., see Cottenier, S. **177/181**: 1083
Swüste, C.H.W., see van der Heijden, P.A.A. **182**: 71
Syromyatnikov, V.G., see Pusenkov, V.M. **175**: 237
Szade, J., see Drzazga, Z. **182**: 225
Szajek, A., The electronic and magnetic properties of $Y_{n+1}Co_{3n+5}B_{2n}$ ($n = 0$, 1, 2, 3, and ∞) systems **185**: 322
Szeftel, J., H. Moudden and A. Kocharian, On the physical significance of the high-dimensional Bethe ansatz **187**: 261
Szlaferek, A., see Kowalczyk, A. **176**: 241
Szmaja, W., Digital image processing system for magnetic domain observation in SEM **189**: 353
Szpunar, B., M. Aus, C. Cheung, U. Erb, G. Palumbo and J.A. Szpunar, Magnetism in nanostructured Ni–P and Co–W alloys **187**: 325
Szpunar, J.A., see Szpunar, B. **187**: 325
Szunyogh, L., see Udvardi, L. **183**: 283
Szunyogh, L., see Wang, K. **189**: L131
Szymański, B., see Luciński, T. **174**: 192
Szymczak, H., see Tsurkan, V. **172**: 317

Szymczak, H., see Troyanchuk, I.O. **176**: 267
Szymczak, H., see Szymczak, R. **177/181**: 711
Szymczak, H., see Gnatchenko, S.L. **186**: 139
Szymczak, H., see Vorotinov, A.M. **188**: 233
Szymczak, R., see Tomkowicz, Z. **172**: 128
Szymczak, R., see Tsurkan, V. **172**: 317
Szymczak, R., see Wisniewski, A. **177/181**: 499
Szymczak, R., H. Szymczak, L. Leonyuk and G.-J. Babonas, Magnetic properties of the superconducting and nonsuperconducting spin ladders $(Sr.Ca)_{14}Cu_{24}O_{41}$ **177/181**: 711
Szymczak, R., see Gnatchenko, S.L. **186**: 139
Szytula, A., see Šoškić, Z. **175**: 311

Tabata, Y., see Taniguchi, T. **177/181**: 419
Taguchi, R., K. Ishikawa, E. Miyashita, N. Hayashi, K. Kuga, T. Nakayama, Y. Yoneda and J. Numazawa, The fabrication of Co–Cr–Ta/Ni–Fe double- layer tape for a high-density digital VTR **176**: 8
Tajima, K., see Iwasa, K. **177/181**: 393
Tajima, K., see Ohsumi, H. **177/181**: 1151
Takabatake, T., F. Iga, T. Yoshino, Y. Echizen, K. Katoh, K. Kobayashi, M. Higa, N. Shimizu, Y. Bando, G. Nakamoto, H. Fujii, K. Izawa, T. Suzuki, T. Fujita, M. Sera, M. Hiroi, K. Maezawa, S. Mock, H.v. Löhneysen, A. Brückl, K. Neumaier and K. Andres, Ce- and Yb-based Kondo semiconductors (*Invited paper*) **177/181**: 277
Takabatake, T., see Iga, F. **177/181**: 337
Takabatake, T., see Ekino, T. **177/181**: 379
Takabatake, T., see Izawa, K. **177/181**: 395
Takagaki, M., T. Kawakami, M. Shirai and K. Motizuki, Pressure effect on electronic band structures of NiAs-type chromium chalcogenides **177/181**: 1385
Takagi, H., see Isikawa, Y. **177/181**: 391
Takagi, H., see Kuwai, T. **177/181**: 399
Takagi, H., see Sakurai, J. **177/181**: 407
Takagi, H., see Azuma, M. **177/181**: 655
Takagi, S., see Nojiri, H. **177/181**: 687
Takahashi, H., H. Shoji and M. Takahashi, Structure and magnetic moment of $Fe_{16}N_2$ sputtered film **174**: 57
Takahashi, K., H. Nojiri, K. Ohoyama, M. Ohashi, Y. Yamaguchi, M. Motokawa and S. Kunii, Neutron-scattering study of DyB_6 **177/181**: 1097
Takahashi, M., see Tsunoda, M. **171**: 29
Takahashi, M., see Takahashi, H. **174**: 57
Takahashi, M., see Hosokoshi, Y. **177/181**: 634
Takahashi, M., see Shiramura, W. **177/181**: 693
Takahashi, M., see Hosokoshi, Y. **177/181**: 713
Takahashi, M., see Nakano, H. **177/181**: 717
Takahashi, M. and J. Igarashi, Local approach to electronic state of CuO **177/181**: 1037
Takahashi, M. and K. Mitsui, Electron scattering due to fluctuating localized spins in degenerate ferromagnetic semiconductors **182**: 329
Takahashi, M., see Imakawa, M. **182**: 403
Takahashi, M., see Igaki, M. **183**: 209
Takahashi, S., see Li, X.G. **173**: 101
Takahashi, S., see Inada, Y. **177/181**: 389
Takahashi, S., see Li, X.G. **190**: 277
Takahashi, T., see Kimura, S. **177/181**: 349
Takahashi, T., H. Kumigashira, H.-D. Kim, A. Ashihara, A. Chainani, T. Yokoya, A. Uesawa and T. Suzuki, Magnetic phase transition of CeSb studied by high-resolution angle-resolved photoemission **177/181**: 1027
Takahashi, T., see Kumigashira, H. **177/181**: 1035
Takahashi, T., see Takemura, Y. **177/181**: 1319
Takahashi, T., see Matsuura, M. **177/181**: 1365
Takahashi, W., see Yoshie, H. **177/181**: 481
Takahashi, Y., see Uesaka, Y. **174**: 203
Takamasu, T., see Takehana, K. **177/181**: 699
Takamasu, T., see Kou, X.C. **177/181**: 1002
Takanashi, K., see Sugawara, T. **177/181**: 951
Takanashi, K., S. Mitani, H. Fujimori, K. Sato and Y. Suzuki, Magnetooptical Kerr effect in Fe/Au superlattices modulated by integer atomic layers **177/181**: 1199
Takanashi, K., see Wang, Z.J. **188**: L269
Takano, H., see Oba, N. **177/181**: 1439
Takano, H., N. Oba, S. Murayama and K. Hoshi, Mechanical milling in hexagonal Fe–Y compounds **177/181**: 1445
Takano, K., H. Muraoka and Y. Nakamura, Resolution of unshielded and shielded MR heads for perpendicular magnetic recording **176**: 61
Takano, M., see Fujiwara, N. **177/181**: 628
Takano, M., see Azuma, M. **177/181**: 655
Takano, M., see Inami, T. **177/181**: 752
Takano, Y., see Sekizawa, K. **177/181**: 541
Takashina, K., see Kakuno, K. **177/181**: 1249
Takashita, M., see Haworth, C.J. **177/181**: 369
Takashita, M., see Aoki, H. **177/181**: 371
Takashita, M., H. Aoki, C.J. Haworth, T. Matsumoto, T. Terashima, S. Uji, C. Terakura, T. Miura, K. Maezawa, R. Settai and Y. Ōnuki, dHvA effect of $CeRu_2Si_2$ under pressure **177/181**: 417
Takashita, M., see Terashima, T. **177/181**: 421
Takashita, M., see Ramakrishnan, S. **177/181**: 459
Takatsu, K., see Shiramura, W. **177/181**: 693
Takatsu, K., W. Shiramura, H. Tanaka, T. Kambe, H. Nojiri and M. Motokawa, ESR of quantum double-spin-chain systems $KCuCl_3$ and $TlCuCl_3$ **177/181**: 697
Takayama, F., see Marumoto, K. **177/181**: 353
Takayanagi, F., see Nakamura, H. **177/181**: 595
Takeda, K., see Ito, M. **177/181**: 673

Takeda, K., see Kawae, T. **177/181**: 795
Takeda, K., see Mito, M. **177/181**: 801
Takeda, K., M. Mito, T. Kawae, H. Nakano, M. Hitaka, K. Suzuki and K. Mukai, Magnetism of some genuine organic radical crystals **177/181**: 817
Takehana, K., M. Oshikiri, T. Takamasu, M. Hase, G. Kido and K. Uchinokura, Magneto-optical measurements of $CuGeO_3$ in far-infrared region **177/181**: 699
Takei, K., see Suzuki, J. **184**: 116
Takemura, Y., see Kakuno, K. **177/181**: 1249
Takemura, Y., N. Honda, T. Takahashi, H. Suto and K. Kakuno, Isotropic magnetization in FeSe thin films on GaAs substrate **177/181**: 1319
Takeno, S., see Kubota, M. **177/181**: 842
Takeuchi, A.Y., see Barthem, V.M.T.S. **177/181**: 1065
Takeuchi, T., see Sugiyama, K. **177/181**: 361
Takeuchi, T., Y. Haga, K. Iwasa, M. Kohgi and T. Suzuki, Magnetoelastic properties of CeP **177/181**: 463
Takeuchi, T., J. Kohyama, S. Kawarazaki, M. Sato and Y. Miyako, In-plane magnetic anisotropy in $ErRu_2Si_2$ **177/181**: 1081
Taki, T., see Kishimoto, Y. **177/181**: 367
Takizawa, K., see Hosokoshi, Y. **177/181**: 634
Takizawa, K., see Shiramura, W. **177/181**: 693
Tako, K.M., see Chantrell, R.W. **175**: 137
Takumi, M., see Mito, M. **177/181**: 801
Talham, D.R., see Ward, B.H. **177/181**: 661
Talik, E., M. Neumann, J. Kusz, H. Böhm, T. Mydlarz, J. Heimann and A. Winiarski, Properties of Er_3Rh single crystals **186**: 33
Talik, E., M. Neumann and T. Mydlarz, Photoemission study and magnetization of Gd_3Pd intermetallic compound **189**: 183
Tambourgi, E.B., see Santos, A. **177/181**: 247
Tamura, M., see Mito, M. **177/181**: 801
Tan, M.M., see Thang, C.V. **177/181**: 819
Tan, M.M., see Duc, N.H. **177/181**: 1107
Tan, N.D., see Duc, N.H. **177/181**: 1107
Tanabe, H., see Taniguchi, T. **177/181**: 419
Tanabe, K., see Kimishima, Y. **177/181**: 547
Tanahara, M., see Ohkoshi, M. **177/181**: 1193
Tanaka, H., see Itoh, M. **177/181**: 583
Tanaka, H., see Shiramura, W. **177/181**: 693
Tanaka, H., see Takatsu, K. **177/181**: 697
Tanaka, H., see Ono, T. **177/181**: 735
Tanaka, H., see Kato, T. **177/181**: 831
Tanaka, H., see Mitsui, T. **177/181**: 1466
Tanaka, H., H. Harima, T. Yamamoto, H. Katayama-Yoshida, Y. Nakata and Y. Hirotsu, Theoretical study of electronic band structures and magnetic property of $Fe_{16}N_2$ based on FLAPW calculations **177/181**: 1468
Tanaka, H., see Itoh, M. **190**: 210
Tanaka, N., Y. Hirota, T. Kawakami and K. Motizuki, Magnetic anisotropy energy of antiferromagnetic Bi_2CuO_4 **177/181**: 1387
Tanaka, S., H. Harima and A. Yanase, Calculation of mass enhancement factor in heavy fermion compounds **177/181**: 329
Tanaka, T., see Wada, S. **177/181**: 1393
Tanaka, Y., see Yamazaki, H. **177/181**: 1207
Tang, B., see Xi, H. **175**: 319
Tang, G.D., H.X. Wang, H.Y. Sun, X.F. Nie, Y.F. Wang and B.S. Han, Stripe-to-bubble transition of the second kind of dumbbell domains subjected to both static bias field and in-plane field **185**: 379
Tang, H., M. Plihai and D.L. Mills, Theory of the spin dynamics of bulk Fe and ultrathin Fe(1 0 0) films **187**: 23
Tang, J., A. de Visser, A. Matsushita and T. Matsumoto, Specific heat of $U(Pt,Pd)_3$ under pressure **177/181**: 465
Tang, J., T. Matsumoto, T. Furubayashi, T. Kosaka, S. Nagata and Y. Kato, Metal–insulator transition of $CuIr_2(S,Se)_4$ under high pressure **177/181**: 1363
Tang, N., see Wang, Y.-g. **185**: 339
Tang, N., see Wang, J. **185**: 345
Tang, S.L., see Jin, Z.Q. **185**: 71
Tang, S.L., see Tang, W. **186**: 115
Tang, S.L., see Jin, Z.Q. **187**: 231
Tang, S.L., C.H. Wu, X.M. Jin, B.W. Wang and Y.Z. Chuang, Phase formation and magnetic properties of $PrFe_{10.5+0.5x}V_{1.5(1-x)}Ti_x$ compounds and their nitrides **187**: 366
Tang, S.L., C.H. Wu, B.W. Wang, X.M. Jin, G.S. Li, B.Z. Ding and Y.C. Chuang, Nonequilibrium phase transformation of $NdFe_{11}Ti$ compound during mechanical milling **188**: 387
Tang, S.L., C.H. Wu, X.M. Jin, B.W. Wang, G.S. Li, B.Z. Ding and Y.C. Chuang, Magnetic hardening of mechanically alloyed $NdFe_{12-x}V_x$ ($1 \leqslant x \leqslant 2$) and their nitrides **189**: 202
Tang, S.L., C.P. Yang, B.W. Wang, X.M. Jin, S.Y. Zhang and Y.W. Du, Structure and magnetic properties of $PrFe_{11.5-x}V_xTi_{0.5}$ compounds and their nitrides **189**: 341
Tang, W., see Jin, Z. **177/181**: 1115
Tang, W., see Jin, Z. **182**: 231
Tang, W., L.-Y. Lu, Z.-Q. Jin, J.-R. Zhang, S.-Y. Zhang and Y.-W. Du, Formation, structure and magnetic hardening of Zr added $Sm_2(Fe,Al,Zr)_{17}C_{1.5}$ compounds **184**: 209
Tang, W., see Jin, Z.Q. **185**: 71
Tang, W., Z.-Q. Jin, J.-R. Zhang, G. Gu, J.-M. Li and Y.-W. Du, Effect of composition on crystalline texture and magnetic properties of $Nd_2Fe_{14}B$ thin films **185**: 241

Tang, W., Z.Q. Jin, J.H. Yin, J.R. Zhang, S.L. Tang, Y.W. Du, F.L. Wei and Z. Yang, Influence of Mo addition on the microstructure and magnetic properties of $Sm_2(Fe, Al, Mo)_{17}C_{1.5}$ alloys **186**: 115
Tang, W., see Jin, Z.Q. **187**: 231
Tang, W., see Jin, Z. **187**: 237
Tange, H., see Kamimori, T. **177/181**: 1119
Taniguchi, K., see Matsuyama, K. **177/181**: 197
Taniguchi, S., see Kontani, M. **177/181**: 397
Taniguchi, S., see Nishioka, T. **177/181**: 451
Taniguchi, T., see Dumpich, G. **177/181**: 377
Taniguchi, T., Y. Tabata, H. Tanabe and Y. Miyako, Non-Fermi-liquid-like behavior in $Ce(Ru_{1-x}Rh_x)_2Si_2$ ($0.3 \leq x \leq 0.5$) **177/181**: 419
Taniyama, T. and I. Nakatani, Nonlinear susceptibility of ferromagnetic $Ga_{0.6}Mo_2S_4$ spinel **177/181**: 263
Tanner, B.K., see Hase, T.P.A. **177/181**: 1164
Tanner, B.K., see Makar, J.M. **184**: 193
Tanner, B.K., see Makar, J.M. **187**: 353
Tarasenko, S.V., A. Stankiewicz, V.V. Tarasenko and J. Ferré, Bloch wall dynamics in ultrathin ferromagnetic films **189**: 19
Tarasenko, V.V., see Tarasenko, S.V. **189**: 19
Tarasov, E.N., see Andreev, S.V. **187**: 83
Tatara, G. and H. Fukuyama, Effects of a domain wall on transport properties in mesoscopic metallic ferromagnets **177/181**: 193
Tatnall, C.J., D.E. Joyce, P.J. Grundy, J.-P. Schille and G. van der Laan, Anisotropy, orbital moments and microstructure in Co/Pt multilayer films **177/181**: 1181
Tavares, S.S.M., J.M. Neto and J.R. Teodósio, Magnetic hardening in a hot-rolled Fe–20Mo–5Ni–0.12C alloy **182**: 193
Tawfik, A. and S.A. Olofa, The diffusion coefficient of vacancies and jump length of electrons in zinc doped manganese ferrite **174**: 133
Tayama, T., see Sekine, C. **177/181**: 411
Taylor, D.W., see Villas-Boas, V. **185**: 180
Taylor, M.B., see Udvardi, L. **183**: 283
Taylor, M.D., see Pullar, R.C. **186**: 313
Taylor, R.D., see Pasternak, M.P. **177/181**: 1377
Taylor, R.D., see Pasternak, M.P. **183**: 185
Tehranchi, M.-M., see Popov, Y.F. **188**: 237
Teillet, J., see Lassri, H. **172**: 61
Teillet, J., see Edgley, D.S. **173**: 29
Teillet, J., see Duc, N.H. **177/181**: 1107
Teillet, J., see Veiller, L. **184**: 55
Teixeira, S.R., see Flores, W.H. **188**: 17
Tejedor, M., B. Hernando, M.L. Sánchez, V.M. Prida, J.M. Garcia-Beneytez, M. Vázquez and G. Herzer, Magnetoimpedance effect in zero magnetostriction nanocrystalline $Fe_{73.5}Cu_1Nb_3Si_{16.5}B_6$ ribbons **185**: 61
Telegina, I.V., see Nikitin, S.A. **182**: 375
Tellez, D.A.L., see Awana, V.P.S. **187**: 192
Tellgren, R., see Rodic, D. **187**: 88
Telling, M.T.F., see Stewart, J.R. **177/181**: 602
Telling, M.T.F., see Hillier, A.D. **177/181**: 1111
Telling, M.T.F., C. Ritter and R. Cywinski, Dynamic spin correlations in $(Dy_{1-x}Y_x)Mn_2$ **177/181**: 1480
Temst, K., see Schad, R. **182**: 65
Tengshe, G.G., see Sankpal, A.M. **186**: 349
Tennant, D.A., see Coldea, R. **177/181**: 659
Teodósio, J.R., see Tavares, S.S.M. **182**: 193
Terai, M., see Ishizuka, M. **177/181**: 725
Terakura, C., see Aoki, H. **177/181**: 371
Terakura, C., see Takashita, M. **177/181**: 417
Terakura, K., see Sawada, H. **177/181**: 879
Terakura, K., see Solovyev, I.V. **185**: 118
Teranishi, T., see Nunomura, N. **177/181**: 947
Terao, K. and H. Yamada, Electronic structure and magnetism of Y_2Fe_3Mn with cubic Laves-phase structure **177/181**: 605
Terao, K., see Yamada, H. **177/181**: 607
Terao, K., see Yamada, H. **183**: 94
Terashima, T., see Haworth, C.J. **177/181**: 369
Terashima, T., see Aoki, H. **177/181**: 371
Terashima, T., see Takashita, M. **177/181**: 417
Terashima, T., C. Haworth, M. Takashita, S. Uji, H. Aoki, Y. Haga, A. Uesawa and T. Suzuki, High magnetic field dHvA effect measurements of CeP **177/181**: 421
Terashima, T., see Ramakrishnan, S. **177/181**: 459
Terrier, C., see Clemens, D. **177/181**: 1237
Tessier, M., see Krishnan, R. **174**: L17
Tezuka, N. and T. Miyazaki, Barrier height dependence of MR ratio in Fe/Al-oxide/Fe junctions **177/181**: 1283
Thalmeier, P., see Shiina, R. **177/181**: 303
Thamm, S. and J. Hesse, The remanence of a Stoner–Wohlfarth particle ensemble as a function of the demagnetisation process **184**: 245
Thang, C.V., P.E. Brommer, N.P. Thuy and J.J.M. Franse, Magnetic properties of monocrystalline YCo_4B **171**: 237
Thang, C.V., N.H. Duc, M.M. Tan, N.P. Thuy, E. Brück, P.E. Brommer and J.J.M. Franse, Effects of Al substitution on intersublattice-exchange interaction in $GdCo_{5-x}Al_x$ **177/181**: 819
Thang, C.V., see Thang, P.D. **177/181**: 1099
Thang, C.V., N.P. Thuy, P.E. Brommer and J.J.M. Franse, Anomalous thermal expansion of monocrystalline YCo_4B **186**: 386
Thang, P.D., N.P. Thuy, L.V.D. Khuong, C.V. Thang, J.J.M. Franse and S. Sinnema, The temperature dependence of the magnetization in the basal plane of R–T single crystals **177/181**: 1099

Theis-Bröhl, K., see Zeidler, Th. **187**: 1
Thessieu, C., K. Ishida, Y. Kitaoka, K. Asayama and G. Lapertot, Pressure effect on MnSi: An NMR study **177/181**: 609
Thiaville, A., see Labrune, M. **171**: 1
Thiaville, A., Extensions of the geometric solution of the two dimensional coherent magnetization rotation model **182**: 5
Thiaville, A., see Belliard, L. **190**: 1
Thiele, J.-U., see Caballero, J.A. **177/181**: 1229
Tholence, J.L., see Uemura, Y.J. **177/181**: 701
Thomas, L., see Barbara, B. **177/181**: 1324
Thomas, M.F., see Hutchings, J.A. **177/181**: 1201
Thomas, S., see Donnevert, L. **177/181**: 375
Thompson, P., O. Gutfleisch, J.N. Chapman and I.R. Harris, Domain studies in thin sections of HDDR-processed Nd–Fe–B-type magnets by TEM **177/181**: 978
Thompson, P.J. and R. Street, Magnetic viscosity and Barkhausen noise in NdFeB-type permanent magnets **171**: 153
Thompson, P.J. and R. Street, A technique for simulating the effect of long-term magnetic viscosity in permanent magnets **171**: 163
Thompson, P.J., see Eilon, M.G. **175**: 249
Thompson, R., see Peters, C. **183**: 365
Thompson, S., see Gregg, J. **175**: 1
Thompson, S.M., see Jackson, M. **177/181**: 1287
Thuy, N.P., see Thang, C.V. **171**: 237
Thuy, N.P., see Thang, C.V. **177/181**: 819
Thuy, N.P., see Thang, P.D. **177/181**: 1099
Thuy, N.P., see Nam, D.N.H. **177/181**: 1135
Thuy, N.P., see Danh, T.M. **185**: 105
Thuy, N.P., see Thang, C.V. **186**: 386
Tian, F., C. Wang, G. Shang, N. Wang and C. Bai, Studies of magnetic garnet using magnetic force microscope **171**: 135
Tickle, R., see Schmidt, J. **190**: 98
Tikhonov, A.M., see Borovik-Romanov, A.S. **177/181**: 657
Tishin, A.M., Magnetocaloric effect in the vicinity of magnetic phase transition **184**: 62
Tjernberg, O., see Kumigashira, H. **177/181**: 1035
Tkachenko, T.M., see Virchenko, V.A. **183**: 78
Tobita, E., see Shinagawa, K. **177/181**: 251
Tobola, J., see Kaczmarska, K. **187**: 210
Toda, M., T. Goto, M. Chiba and K. Adachi, NMR study of ^{133}Cs in a singlet-ground-state system $CsFeCl_3$ **177/181**: 825
Tokunaga, T., see Kadomatsu, H. **177/181**: 1117
Tokunaga, T., see Tsutaoka, T. **177/181**: 1141
Tokunaga, T., see Kadomatsu, H. **189**: 335
Tomak, I., see Nateprov, A. **172**: 193
Tomczak, P., see Voigt, A. **183**: 68
Tomey, E., see Vert, R. **188**: 173
Tomka, G.J., Cz. Kapusta, C. Ritter and P.C. Riedi, Magnetic structure and properties of $NdMn_2Ge_2$ as a function of temperature and pressure **177/181**: 821
Tomka, G.J., see Ghivelder, L. **189**: 274
Tomkowicz, Z., P. Fleischhauer, W. Haase, M. Baran, R. Szymczak, A.J. Zaleski and R. Jablonski, Magnetic properties of some molecular compounds containing ferromagnetic copper trimers **172**: 128
Tomkowicz, Z., see Šoškiác, Z. **175**: 311
Tonegawa, T., see Kaburagi, M. **177/181**: 636
Tonegawa, T., T. Hikihara, T. Nishino, M. Kaburagi, S. Miyashita and H.-J. Mikeska, One-dimensional Heisenberg antiferromagnet in which two $S = \frac{1}{2}$ and two $S = 1$ spins are arranged alternatively **177/181**: 647
Tong, L.N., see Du, J. **177/181**: 1209
Tong, L.N., M. Lu, J. Du, W. Ji, H.W. Zhao, K. Xia, B. You and H.R. Zhai, The magnetic properties of Co/Pb multilayers **177/181**: 1211
Tong, Z., see Zhang, Zhi-dong **174**: 269
Tornau, E.E., see Šmakov, J. **190**: 157
Toshima, N., see Nunomura, N. **177/181**: 947
Totsuka, K., Non-classical magnetization process of quantum spin chains **177/181**: 650
Toulemonde, O., F. Studer, A. Llobet, L. Ranno, A. Maignan, E. Pollert, M. Nevriva, E. Pellegrin, N.B. Brooks and J. Goedkoop, Orientation of Nd and Mn magnetic moments in a CMR $Nd_{0.72}Ba_{0.28}MnO_3$ by X-ray magnetic circular dichroism **190**: 307
Tournier, R., see Legrand, B.A. **173**: 20
Touzani, M., see Badehdah, M. **172**: 254
Tovar Costa, M.V., N.A. de Oliveira, G.M. Japiassú, M.A. Continentino and A. Troper, Temperature-driven metal–non-metal transition in Kondo insulators **177/181**: 331
Tovar Costa, M.V., see de Oliveira, A.L. **177/181**: 1091
Tovar Costa, M.V., see de Oliveira, A.L. **177/181**: 1441
Tovar, M., see Ramos, C.A. **177/181**: 867
Toyooka, T., see Ikeda, Y. **176**: 13
Trajanovic, Z., see Kwon, C. **172**: 229
Tran, V.H., R. Troć and G. André, Magnetic ordering in URhSi and URhGe **186**: 81
Tran, V.H., see Troć, R. **190**: 251
Trapper, U., D. Ihle, H. Büttner and H. Fehske, Magnetic short-range order effects in the 2D t–J model **177/181**: 577
Traverse, A., see Flores, W.H. **188**: 17
Travkin, V.D., see Mukhin, A.A. **177/181**: 531
Travkin, V.D., see Mukhin, A.A. **183**: 157
Travkin, V.D., see Mukhin, A.A. **183**: 160
Trhlík, M., see Štěpánková, H. **177/181**: 239
Trieu, H.D., Superconductivity in the t–J model with infinitely large on-site repulsion **176**: 197
Troć, R., see de V. du Plessis, P. **177/181**: 457

Troć, R., R. Andruszkiewicz, R. Pietri and B. Andraka, Effect of Th-substitution in a new dense-Kondo compound UCu_5Al **183**: 132
Troć, R., see Tran, V.H. **186**: 81
Troć, R., V.H. Tran, M. Wołcyrz, G. André and F. Bourée, Crystal and magnetic structure of a novel compound UCu_5Al. Structural stability with Th-substitution **190**: 251
Trohidou, K.N., see Kechrakos, D. **177/181**: 943
Tronc, E., see Dormann, J.L. **183**: L255
Tronc, E., see Dormann, J.L. **187**: L139
Troper, A., see Tovar Costa, M.V. **177/181**: 331
Troper, A., see de Oliveira, A.L. **177/181**: 1091
Troper, A., see de Oliveira, A.L. **177/181**: 1441
Trovarelli, O., see Donnevert, L. **177/181**: 375
Troyanchuk, I.O., I.M. Kolesova, H. Szymczak and A. Nabialek, Preparation, magnetic and transport properties of $A_{0.66}Ba_{0.34}MnO_{3-\gamma}$ (A = Pr, Nd, Sm, Eu, Gd) perovskites **176**: 267
Tsai, S.H., see Chang, W.C. **172**: 277
Tsang, K.-L., see Hsu, L.-S. **177/181**: 1031
Tselev, A., see Gan'shina, E. **185**: 258
Tsigel'nik, O.A., see Sedov, V.L. **183**: 117
Tskhadadze, I.A., see Nikitin, S.A. **182**: 375
Tsoukalas, I.A., see Efthimiadis, K.G. **171**: 141
Tsoukalas, I.A., see Efthimiadis, K.G. **185**: 187
Tsuchiya, Y., see Tsunoda, M. **171**: 29
Tsuchiya, Y., H. Nakamura, S. Murayama, K. Hoshi, Y. Shimojyo, Y. Morii and Y. Hamaguchi, Neutron diffraction and Mössbauer measurements for magnetism of BCC Cr–Fe–Mn alloys **177/181**: 1447
Tsukamoto, K., see Bhar, G.C. **188**: 180
Tsunashima, S., see Fujiwara, Y. **177/181**: 1173
Tsunashima, S., see Yu, X.Y. **177/181**: 1203
Tsunashima, S., see Oikawa, S. **177/181**: 1273
Tsunashima, S., see Kato, T. **177/181**: 1427
Tsunekawa, M., see Imada, S. **177/181**: 387
Tsunoda, M., Y. Tsuchiya, M. Konoto and M. Takahashi, Microstructure of antiferromagnetic layer affecting on magnetic exchange coupling in trilayered Ni–Fe/25 at% Ni–Mn/Ni–Fe films **171**: 29
Tsunoda, Y., Incommensurate magnetic structures in transition-metal alloys (*Invited paper*) **177/181**: 1337
Tsunoda, Y., see Cussen, L.D. **177/181**: 1419
Tsurkan, V., M. Baran, R. Szymczak and H. Szymczak, Spin glass and percolation in $MnCr_{2-2x}In_{2x}S_4$ system **172**: 317
Tsushima, T., see Kurimoto, M. **177/181**: 245
Tsushima, T., see Matsubayashi, S. **177/181**: 249
Tsushima, T., see Shinagawa, K. **177/181**: 251
Tsushima, T., see Matsuo, A. **177/181**: 909
Tsushima, T., see Urakabe, T. **177/181**: 1145
Tsutaoka, T., see Kadomatsu, H. **177/181**: 1117
Tsutaoka, T., H. Fukuda, T. Tokunaga and H. Kadomatsu, Magnetic-phase transitions in Nd-Ni_3 **177/181**: 1141
Tsuzuki, T., see Ding, J. **177/181**: 931
Tuchiya, Y., see Hori, T. **177/181**: 1425
Tucker, J.W., see Idogaki, T. **171**: 83
Tucker, J.W., see Huo, S. **177/181**: 227
Tucker, J.W., see Huo, S. **177/181**: 229
Tucker, J.W., see Griffiths, M.K. **183**: 49
Tucker, J.W., An effective field study of the staggered quadrupolar phase in the BEG model **183**: 299
Tucker, J.W., see Derzhko, O. **186**: 188
Tucker, J.W., T. Balcerzak, M. Gzik and A. Sukiennicki, Phase diagram of a spin-1 magnetic bilayer by cluster variational theory: Exact results for a BEG model on a Bethe lattice with five-fold coordination **187**: 381
Tucker, J.W., see Huo, S. **190**: 17
Tulin, V.A., A.H. Vuorimäki and E.E. Ylinen, Domain structure dynamics in ferromagnetic $CrBr_3$ studied by nuclear magnetic resonance **174**: 137
Tumanski, S. and T. Winek, Measurements of the local values of electrical steel parameters **174**: 185
Tung, L.D., J.J.M. Franse, K.H.J. Buschow, P.E. Brommer, J.H.P. Colpa, J.C.P. Klaasse and A.A. Menovsky, Magnetic properties of a $CeCoAl_4$ single crystal **177/181**: 477
Tung, L.D., see Nam, D.N.H. **177/181**: 1135
Turpin, G.B. and P.E. Wigen, Carrier generation/recombination in the resistivity decay process of Ca : YIG films **177/181**: 235
Tyatyushkin, A.N., Flow of immiscible streams of magnetic and ordinary fluids in a plane infinite diffuser **173**: L1
Tylczynski, Z., see Coldea, R. **177/181**: 659

Uchida, H., see Ikeda, Y. **176**: 13
Uchikawa, T., see Ajiro, Y. **177/181**: 707
Uchinokura, K., see Kuroe, H. **177/181**: 679
Uchinokura, K., see Sekine, T. **177/181**: 691
Uchinokura, K., see Takehana, K. **177/181**: 699
Udvardi, L., R. Király, L. Szunyogh, F. Denat, M.B. Taylor, B.L. Györffy, B. Újfalussy and C. Uiberacker, On tilted magnetization in thin films **183**: 283
Ueda, K., T. Kohara, D.A. Gajewski and M.B. Maple, NMR study of non-Fermi liquid system $Sc_{1-x}U_xPd_3$ **177/181**: 467
Ueda, K., see Iwamoto, Y. **177/181**: 585
Ueda, K., see Adachi, Y. **177/181**: 1061
Ueda, Y., see Motoya, K. **177/181**: 593
Ueda, Y., see Isobe, M. **177/181**: 671
Ueda, Y., see Kuroe, H. **177/181**: 679

Ueda, Y., see Yamauchi, T. **177/181**: 705
Ueda, Y. and M. Isobe, Magnetic properties of AV_2O_5 (A = Li, Na, Cs, Ca and Mg) **177/181**: 741
Ueda, Y., see Uyeda, Y. **177/181**: 1391
Ueda, Y., see Mallik, R. **185**: L135
Uehara, M., see Kitaoka, Y. **177/181**: 487
Uehara, M., T.J. Konno, H. Kanekiyo, S. Hirosawa, K. Sumiyama and K. Suzuki, Effect of Cr doping on crystallization behavior of $Fe_3B/Nd_2Fe_{14}B$ nanocomposite permanent magnets **177/181**: 997
Uemura, Y.J., B.D. Gaulin, M. Mekata, I. Mirebeau, S. Pouget and J.L. Tholence, Neutron spin echo studies of $SrCr_8Ga_4O_{19}$ **177/181**: 701
Uemura, Y.J., see Luke, G.M. **177/181**: 754
Uemura, Y.J., see Merrin, J. **177/181**: 799
Uesaka, Y., Y. Takahashi, Y. Nakatani, N. Hayashi and H. Fukushima, Monte Carlo simulation of thermal fluctuation in magnetization of longitudinal and perpendicular magnetic recording media **174**: 203
Uesawa, A., see Li, D.X. **176**: 261
Uesawa, A., see Aoki, H. **177/181**: 371
Uesawa, A., see Iwasa, K. **177/181**: 393
Uesawa, A., see Terashima, T. **177/181**: 421
Uesawa, A., see Takahashi, T. **177/181**: 1027
Ufuktepe, Y., see Kimura, S. **177/181**: 349
Uhl, M., S.F. Matar and B. Siberchicot, Calculated magnetic and electronic properties of the double perovskites La_2TIrO_6 (T = Mn, Fe, Co) **187**: 201
Uhrmacher, M., see Neubauer, M. **189**: 8
Uiberacker, C., see Udvardi, L. **183**: 283
Újfalussy, B., see Udvardi, L. **183**: 283
Újfalussy, B., see Lathiotakis, N.N. **185**: 293
Uji, S., see Aoki, H. **177/181**: 371
Uji, S., see Takashita, M. **177/181**: 417
Uji, S., see Terashima, T. **177/181**: 421
Ul'yanov, V.A., see Pusenkov, V.M. **175**: 237
Uma, S., see Awana, V.P.S. **187**: 192
Umeda, H., see Ekino, T. **177/181**: 379
Umeda, T., see Mei, W. **174**: 100
Umehara, I., see Adachi, Y. **177/181**: 1061
Umehara, I., M. Endo, A. Matsuda, S. Fujimori, Y. Adachi, Y. Isikawa and K. Sato, Crystalline electric field effect in single crystalline HoNi **177/181**: 1143
Umehara, I., see Endo, K. **177/181**: 1437
Umehara, M., Anomalous dense conduction electron states and magnetism in Eu-rich EuSe **177/181**: 1101
Umehara, M., Bound magnetic exciton polaron accompanied by large lattice displacement and luminescence in EuSe **187**: 177
Umeo, K., see Kadomatsu, H. **188**: 213
Umeo, K., see Kadomatsu, H. **189**: 335
Umezu, K., see Matsuyama, K. **177/181**: 197
Urakabe, T., T. Yamashita, T. Saito, K. Shinagawa and T. Tsushima, Spin reorientation and magnetic anisotropy in $(Er_{1-x}Yb_x)_2Fe_{15}Al_2$ **177/181**: 1145
Urakawa, J., see Sato, H. **177/181**: 409
Urba, L., see Büsser, C. **177/181**: 311
Urbán, M., see Al-Wahsh, H. **185**: 144
Urbaniak, M., T. Luciński and F. Stobiecki, High sensitivity GMR with small hysteresis in Ni–Fe/Cu multilayers **190**: 187
Urreta, S.E., see Billoni, O.V. **187**: 371
Ushida, Y., T. Nishioka and M. Kontani, Magnetic properties of $(Ce_{1-x}La_x)_5Si_{2.69}$ **177/181**: 423
Usov, N., A. Antonov and A. Granovsky, Theory of giant magneto-impedance effect in composite amorphous wire **171**: 64
Usov, N., A. Antonov, A. Dykhne and A. Lagar'kov, Possible origin for the bamboo domain structure in Co-rich amorphous wire **174**: 127
Usov, N.A. and S.E. Peschany, Theoretical hysteresis loops for single-domain particles with cubic anisotropy **174**: 247
Usov, N.A., A.S. Antonov and A.N. Lagar'kov, Theory of giant magneto-impedance effect in amorphous wires with different types of magnetic anisotropy **185**: 159
Ustimenkova, M.B., see Efimova, N.N. **185**: 360
Ustinov, V.V., A.B. Rinkevich, L.N. Romashev and V.I. Minin, Correlation between microwave transmission and giant magnetoresistance in Fe/Cr superlattices **177/181**: 1205
Usukura, M., see Yuasa, S. **177/181**: 1296
Utsumi, S., see Nakagawa, M. **177/181**: 533
Uwatoko, Y., see Nakama, T. **177/181**: 425
Uwatoko, Y., see Nakama, T. **177/181**: 1369
Uyeda, C., see Chihara, H. **177/181**: 1455
Uyeda, M., T. Kubo, M. Chiba, Y. Ajiro and T. Asano, ^{79,81}Br NMR in triangular lattice antiferromagnet $CsCoBr_3$ **177/181**: 833
Uyeda, Y., H. Yasuoka and Y. Ueda, The effects of the oxygen defects in $CaVO_{3-x}$ system **177/181**: 1391
Uzdin, V.M., see Borczuch, M.S. **172**: 110

Vaidyanathan, G., R. Sekar and A. Ramanathan, Ferrothermohaline convection **176**: 321
Vaidyanathan, S., see Moorthy, V. **171**: 179
Vaingankar, A.S., see Vasambekar, P.N. **186**: 333
Valvoda, V., see Chládek, M. **172**: 209
Valvoda, V., see Chládek, M. **172**: 218
van Hoof, J.B.A.N., K.M. Schep, P.J. Kelly and G.E.W. Bauer, Ab initio magnetoresistance in magnetic domain walls (*Invited paper*) **177/181**: 188

Van der Laan, G., see Tatnall, C.J. **177/181**: 1181
Van der Laan, G., see Lauhoff, G. **177/181**: 1253
Van der Heijden, P.A.A., M.G. van Opstal, C.H.W. Swüste, P.H.J. Bloemen, J.M. Gaines and W.J.M. de Jonge, A ferromagnetic resonance study on ultra-thin Fe_3O_4 layers grown on (0 0 1)MgO **182**: 71
Van der Laan, G., Element-specific magnetocrystalline anisotropy energy studied by transverse magnetic circular X-ray dichroism **190**: 318
Van Drent, W.P. and T. Suzuki, Ultra-violet range magneto-optic study of FCC-Co and Co/Pt multilayers **175**: 53
Van Geemert, R., see Gubbens, P.C.M. **177/181**: 1149
Van Harrevelt, R., see de Visser, A. **177/181**: 435
Van Hoof, J.B.A.N., see Schep, K.M. **177/181**: 1166
Van Lier, J., see Zhang, Jun-xian **183**: 111
Van Loyen, L., see Reiss, G. **184**: 281
Van Loyen, L., see Luciński, T. **189**: 39
Van Opstal, M.G., see van der Heijden, P.A.A. **182**: 71
Van Schendel P.J.A., see Abelmann, L. **190**: 135
Van Streepen, T., see Brück, E. **177/181**: 767
Vananti, A., see Clemens, D. **177/181**: 1237
Varadaraju, U.V., see Maignan, A. **184**: 83
Varadaraju, U.V., see Venkatesan, M. **184**: 231
Vargoz, E. and D. Jaccard, Superconducting and normal properties of $CeCu_2Ge_2$ at high pressure **177/181**: 294
Vas'kovskij, V.O., P.A. Savin and V.N. Lepalovskij, Variety of interlayer coupling in sandwiches **185**: 246
Vasambekar, P.N., C.B. Kolekar and A.S. Vaingankar, Cation distribution and susceptibility study of Cd–Co and Cr^{3+} substituted Cd–Co ferrites **186**: 333
Vasil'ev, A.N., see Gippius, A.A. **184**: 358
Vaures, A., see Petroff, F. **175**: 33
Vázquez, M., see Chiriac, H. **177/181**: 205
Vázquez, M., see Hernando, A. **177/181**: 959
Vázquez, M., see Tejedor, M. **185**: 61
Vázquez, M., see Arcas, J. **186**: 283
Vázquez-Vázquez, C., see Hueso, L.E. **189**: 321
Vedyayev, A., M. Chshiev, N. Ryzhanova, B. Dieny, C. Cowache and F. Brouers, A unified theory of CIP and CPP giant magnetoresistance in magnetic sandwiches **172**: 53
Vedyayev, A., see Khan, H.R. **183**: 379
Vedyayev, A., M. Chshiev and B. Dieny, Quantum effects in giant magnetoresistance due to interfaces in magnetic sandwiches **184**: 145
Veiller, L., D. Ledue and J. Teillet, Phase transitions in a ferrimagnetic Heisenberg multilayer: a Monte Carlo study **184**: 55
Veillet, P., see Ferré, J. **174**: 77
Veilllet, P., see Jamet, J.P. **175**: 125
Velasco, P., see Rodríguez, M. **177/181**: 220
Velez, M., see Martin, J.I. **177/181**: 915
Velez, M. and I.K. Schuller, Sputtering pressure effect on the giant magnetoresistance of Fe/Cr superlattices **184**: 275
Vellekoop, B., L. Abelmann, S. Porthun, C. Lodder, On the determination of the internal magnetic structure by magnetic force microscopy **190**: 148
Venkata Sivakumar, K., see Komalamba, B. **173**: 59
Venkatesan, M., U.V. Varadaraju and K.V.S. Rama Rao, Structural and magnetic properties of $HoErFe_{17-x}Ga_x$ compounds **184**: 231
Venkatesan, T., see Kwon, C. **172**: 229
Venkatesh, S., see Man, N.K. **177/181**: 527
Venturini, G., see Welter, R. **187**: 278
Verbanck, G., see Schad, R. **182**: 65
Vergara, J., see Madurga, V. **177/181**: 945
Vernier, N. and G. Bellessa, Tunnelling of large magnetic moments in a single crystal **177/181**: 962
Verschueren, G.L.J., see Swagten, H.J.M. **176**: 169
Vert, R., D. Fruchart, D. Gignoux and R.V. Skolozdra, Magnetic properties of tetragonal $YFe_{10.5}Mo_{1.5}$ single crystal **174**: 117
Vert, R., see Garcia-Landa, B. **182**: 207
Vert, R., Y. Amako, D. Fruchart, B. García-Landa, D. Gignoux and E. Tomey, Magnetisation processes and spin reorientation in $DyFe_{10.5}Mo_{1.5}$ single crystal **188**: 173
Viart, N., see Gregg, J. **175**: 1
Vicent, J.L., see Gonzalez, E.M. **177/181**: 495
Vieren, J.P., see Monod, P. **177/181**: 739
Villas-Boas, V., J.M. González, F. Cebollada, M.F. Rossignol, D.W. Taylor and D. Givord, Magnetic viscosity and coercivity analysis in mechanically alloyed and melt-spun NdDyFeB magnets **185**: 180
Vincent, D., see Payet, B. **186**: 168
Vincent, E., see Sappey, R. **177/181**: 957
Vincent, H., see Pignard, S. **177/181**: 1227
Virchenko, V.A., V.S. Kuz'min, T.M. Tkachenko and A.V. Shablovskii, Temperature hysteresis of quadrupole splitting of ^{57}Fe Mössbauer spectra in 1-2-3 high-temperature superconductor **183**: 78
Visnovsky, S., see Krishnan, R. **175**: 90
Vlasák, G., see Kaczkowski, Z. **185**: 112
Vlutters, R., see Lodder, J.C. **175**: 159
Vo, N.V., Fabrication of wind-react and react-wind high-temperature superconducting Bi-2223/Ag coils and magnets **188**: 145
Vogel, E.E. and J. Cartes, Discontinuities in $\pm J$ Ising lattices **177/181**: 777
Voges, F., H. de Gronckel, C. Osthöver, R. Schreiber and P. Grünberg, Spin valves with CoO as an exchange bias layer **190**: 183
Vogt, T., see Ehrenberg, H. **184**: 111

Voigt, A., see Richter, J. **177/181**: 737
Voigt, A., J. Richter and P. Tomczak, Low-lying excitations and thermodynamics of an antiferromagnetic Heisenberg fractal system of a dimension between one and two **183**: 68
Voiron, J., see Manivel Raja, M. **184**: 227
Volkov, A.A., see Mukhin, A.A. **183**: 160
Von Helmolt, R., see López, A. **187**: 221
Vorob'ev, G.P., see Mukhin, A.A. **183**: 160
Vorob'ev, G.P., see Popov, Y.F. **188**: 237
Vorotinov, A.M., A.I. Pankrats, G.A. Petrakovskii, O.V. Vorotinova and H. Szymczak, ESR study of $LiCu_2O_2$ single crystals **188**: 233
Vorotinova, O.V., see Vorotinov, A.M. **188**: 233
Vouille, C., see Schroeder, P.A. **177/181**: 1464
Vouroutzis, N., see Speliotis, A. **187**: 17
Vovk, A.Ya., see Pohorilyi, A.N. **186**: 87
Vulliet, P., see Isnard, O. **189**: 47
Vuorimäki, A.H., see Tulin, V.A. **174**: 137

Wachter, P., see Pittini, R. **177/181**: 472
Wachter, P., see Pittini, R. **177/181**: 1025
Wachter, P., see Pittini, R. **186**: 306
Wada, H., A. Nakamura, A. Mitsuda, M. Shiga, H. Mitamura and T. Goto, Field-induced valence transition in $EuNi_2(Si_{1-x}Ge_x)_2$ **177/181**: 363
Wada, H., see Shiga, M. **177/181**: 1347
Wada, H., see Yoshie, H. **177/181**: 481
Wada, S., Y. Yoshikawa, K. Miyatani and T. Tanaka, Structural phase transition and low-energy spin excitations in CuV_2S_4 spinel **177/181**: 1393
Waerenborgh, J.C., see Gonçalves, A.P. **189**: 283
Wagener, W., H.-H. Klauß, M. Hillberg, M.A.C. de Melo, W. Kopmann, M. Birke, F.J. Litterst, B. Büchner and H. Micklitz, μ^+SR on $La_{2-x-y}RE_xSr_yCuO_4$ **177/181**: 545
Wakabayashi, K., M. Fujita, K. Kusakabe and H. Ajiki, Magnetic field effect on graphite ribbons **177/181**: 1484
Wakabayashi, N., see Iwasa, K. **177/181**: 393
Walker, I.R., see Julian, S.R. **177/181**: 265
Wall, M.A., see Fernandez, A. **190**: 71
Wallace, W.E., see Huang, M.Q. **173**: L225
Walmsley, N., see Chantrell, R.W. **175**: 137
Walton, S.A., see Morales, M.P. **190**: 357
Wang, B.W., see Tang, S.L. **187**: 366
Wang, B.W., see Tang, S.L. **188**: 387
Wang, B.W., see Tang, S.L. **189**: 341
Wang, B.W., see Tang, S.L. **189**: 202
Wang, C., see Tian, F. **171**: 135
Wang, C., see Pérez, L.A. **177/181**: 1482
Wang, C.S., F.L. Wei, M. Lu, D.H. Han and Z. Yang, Structure and magnetic properties of Zn–Ti-substituted Ba-ferrite particles for magnetic recording **183**: 241
Wang, C.S., see Fang, H.C. **187**: 129
Wang, D.-S., see Zhou, Y.-M. **177/181**: 1321
Wang, D.H., see Huang, H. **173**: 302
Wang, Ding-sheng, see Yang, Z. **182**: 369
Wang, F., Bao-gen Shen, H. Gong, X. Sun, Panlin Zhang and Q. Yan, An X-ray diffraction and magnetic study of $Pr_6Fe_{13}Si$ **177/181**: 1056
Wang, F.-w., see Zhang, H.-w. **187**: 247
Wang, F., see Zhang, J. **190**: 166
Wang, H., see Gu, B.X. **173**: 163
Wang, H., see Gu, B.X. **187**: 47
Wang, H.X., see Tang, G.D. **185**: 379
Wang, H.Y., E.Y. Jiang, Y. Wang, P. Wu, H.L. Bai and S.L. Ming, Epitaxial α''-$(Fe,Co)_{16}N_2$ films grown on NaCl(0 0 1) by facing targets sputtering **176**: 159
Wang, H.Y., E.Y. Jiang and P. Wu, Enhancement of the thermal stability of $Fe_{16}N_2$ by Ti addition **177/181**: 1285
Wang, J.-Y., see Lewis, L.H. **176**: 288
Wang, J., see Liu, X. **184**: 344
Wang, J., F.R. de Boer, C. Zhang, E. Brück, N. Tang and F. Yang, Structural and magnetic properties of $Er_2Fe_{15}M_2$ compounds with M = Mn, Fe, Ni, Al, Ga and Si **185**: 345
Wang, Jian-Tao, Zhi-Qiang Li, Qiang Sun and Yoshiyuki Kawazoe, First-principles study of the magnetic and the electronic properties of Fe_m/Au_n multilayers **183**: 42
Wang, K., S. Zhang, P.M. Levy, L. Szunyogh and P. Weinberger, Role of electronic structure in magnetic tunneling **189**: L131
Wang, M., see Kang, S.S. **187**: 154
Wang, N., see Tian, F. **171**: 135
Wang, Q., Q. Sun, J.Z. Yu, Z. Zeng and Y. Kawazoe, The local magnetism of Fe impurity in Nb_n and Nb_nMo_m clusters **184**: 106
Wang, Q., see Wang, Y.-g. **185**: 339
Wang, R., see Mei, W. **174**: 100
Wang, W.K., see Zhang, X.Y. **187**: 12
Wang, X. and A.J. Freeman, Spin polarons in the double-exchange model **171**: 103
Wang, X.-H., T.-L. Ren, L.-Y. Li and L.-S. Zhang, Preparation and magnetic properties of $BaZn_{2-x}Co_xFe_{16}O_{27}$ nanocrystalline powders **184**: 95
Wang, X., see Yan, A. **185**: 369
Wang, X., see Kim, M. **186**: 277
Wang, X., see Wang, X. **189**: 96
Wang, X., G. Xiong, X. Wang, L. Lu, X. Yang, L. Zhang and Y. Liu, Preparation and magnetic properties of $BaZn_{2-x}Co_x$-$Fe_{16}O_{27}$ nanocrystalline powders by the stearic acid gel method **189**: 96
Wang, X.-H., see Han, X.-F. **190**: 257
Wang, X.L., J. Horvat, H.K. Liu and S.X. Dou, Spin-glass state in $Y_{0.7}Ca_{0.3}MnO_3$ **182**: L1

Wang, X.Z., see Li, Y. **187**: L273
Wang, Y.-g., F. Yang, C. Chen, N. Tang, P. Lin, H. Xiong and Q. Wang, Structural, magnetic and microscopic physical properties of $Nd_2Fe_{17-x}Mn_x$ compounds **185**: 339
Wang, Y., see Wang, H.Y. **176**: 159
Wang, Y., see Zheng, W.M. **177/181**: 1315
Wang, Y.F., see Tang, G.D. **185**: 379
Wang, Y.J., see Zheng, M. **183**: 152
Wang, Z., Kai-yuan He, Shu-li He, Yu-mei Zhang, Yu-jun Fu and L. Zhang, Heating rate dependence of magnetic properties for Fe-based nanocrystalline alloys **171**: 300
Wang, Z.J., S. Mitsudo, K. Watanabe, S. Awaji, K. Saito, H. Fujimori and M. Motokawa, Spin-wave resonance in ferromagnetic coupled Co/Cu multilayers **176**: 127
Wang, Z.J., K. Takanashi, S. Mitsudo, K. Himi, S. Mitani, K. Watanabe, M. Motokawa and H. Fujimori, FMR investigation of magnetic anisotropies in Fe/Au superlattices **188**: L269
Wanklyn, B.M., see Neogy, D. **173**: 167
Wanklyn, B.M., see Jana, S. **183**: 135
Wanklyn, B.M., see Das, K. **189**: 310
Wäppling, R., see Granberg, P. **186**: 154
Warchulska, J., see Khlybov, E.P. **188**: 219
Warczewski, J., J. Kusz, D.S. Filimonov, Ya.A. Kessler, L.I. Koroleva, M.G. Mikheev, A.G. Odintsov, T.G. Aminov, E.V. Busheva and G.G. Shabunina, New antiferromagnetic semiconductor $CuCr_{1.5}Sb_{0.5}S$ 99
Ward, B.H., G.E. Granroth, D.R. Talham and M.W. Meisel, Magnetic properties of the antiferromagnetic $S = 1$ spin chain system $[Ni(C_{412}N_2)_2(\mu\text{-}N_3)]_n(ClO_4)_n$ **177/181**: 661
Ward, R.C.C., see Ciria, M. **177/181**: 1162
Ward, R.C.C., see Cowley, R.A. **177/181**: 1012
Warwick, P.E., see Bahaj, A.S. **184**: 241
Wassermann, E.F., see Entel, P. **177/181**: 1409
Wassermann, E.F., see Dumpich, G. **177/181**: 377
Wassermann, E.F., B. Rellinghaus, Th. Roessel and W. Pepperhoff, Relation between structure and magnetism of Ti_xFe_{100-x} alloys within the C14 Laves-phase stability range **190**: 289
Watanabe, I., see Nakashio, E. **176**: 46
Watanabe, K., see Wang, Z.J. **176**: 127
Watanabe, K., see Ide, Y. **177/181**: 1245
Watanabe, K., see Goto, T. **177/181**: 1421
Watanabe, K., see Wang, Z.J. **188**: L269
Watanabe, M., M. Homma and T. Masumoto, Perpendicularly magnetized Fe–Pt (0 0 1) thin films with $(B \cdot H)_{max}$ exceeding 30 MG Oe **177/181**: 1231
Watanabe, N., see Ichinose, K. **177/181**: 1113
Watmough, M., K.A. McEwen, M. Ellerby and M.A. López de la Torre, A magnetic study of the heavy-fermion systems $U_{1-x}Y_xCu_5$ and $UCu_{5-x}Ag_x$ **177/181**: 469
Watmough, M., see López de la Torre, M.A. **177/181**: 445
Watts, B.E., see Albanese, G. **184**: 337
Watts, B.E., see Díaz-Castañón, S. **185**: 194
Watts, R. and B. Rodmacq, Indirect exchange coupling in Co/Nb and Co/NbH_X multilayers **174**: 70
Watts, R., see Ali, M. **190**: 199
Wawro, A., see Baczewski, L.T. **177/181**: 1305
Weber, N., see Knabben, D. **190**: 349
Wecker, J., see López, A. **187**: 221
Wei, C.T., see Jen, S.U. **174**: 33
Wei, F.L., see Wang, C.S. **183**: 241
Wei, F.L., see Tang, W. **186**: 115
Wei, G.Z., see Xin, Z.H. **176**: 206
Wei, G.Z., see Xin, Z.H. **188**: 65
Wei, Guo-zhu, see Liu, T.-S. **173**: 179
Weickenmeier, M., see Pilawa, B. **177/181**: 748
Weiden, M., R. Hauptmann, C. Geibel, M. Köppen, J. Müller, M. Lang, F. Steglich, N. Weiden, M. Fischer, P. Lemmens and G. Güntherodt, Magnetic and crystallographic investigations of the inorganic spin-Peierls system α'-NaV_2O_5 **177/181**: 743
Weiden, N., see Weiden, M. **177/181**: 743
Weinberger, P., see Wang, K. **189**: L131
Weitzel, H., see Ehrenberg, H. **182**: 152
Weitzel, H., see Ehrenberg, H. **186**: 74
Weizenecker, J., see Rösch, P. **177/181**: 1071
Welch, D.O., see Lewis, L.H. **175**: 275
Weller, D., see Caballero, J.A. **177/181**: 1229
Wells, M.R., see Cashion, J.D. **177/181**: 781
Wells, M.R., see Ciria, M. **177/181**: 1162
Wells, M.R., see Cowley, R.A. **177/181**: 1012
Welter, R., I. Ijjaali, G. Venturini, E. Ressouche and B. Malaman, Investigations of the $La_{1-x}Ca_xMn_2Ge_2$ $(0 \leqslant x \leqslant 1)$ solid solution by magnetic measurements and neutron diffraction **187**: 278
Wende, H., see May, F. **177/181**: 1220
Wenzel, L., A. Hubert and V. Kamberský, Transparent simulation of magneto-optic diffraction from arbitrary magnetic multilayers **175**: 205
Wenzel, L., see Kamberský, V. **189**: 149
Westerburg, W., see Jakob, G. **177/181**: 1247
Westerholt, K., see Ge, S.-H. **177/181**: 1179
Wetzel, P., see Hong, S. **171**: 280
Wheatley, J.M., see Lercher, M.J. **185**: 384
White, R.L., see O'Grady, K. **177/181**: 886
White, R.L., see Osgood III, R.M. **182**: 297
Whiting, J.S.S., see Jackson, M. **177/181**: 1287
Wiegers, S.A.J., see Keller, N. **177/181**: 298
Wierzbicki, A., see Onyszkiewicz, Z. **174**: 174

Wiesendanger, R., see Getzlaff, M. **184**: 155
Wiesinger, G., see Kapusta, C.z. **177/181**: 1121
Wiesinger, G., see Bauer, E. **177/181**: 1401
Wiesinger, G., see Kou, X.C. **177/181**: 1002
Wiesinger, G., see Sato Turtelli, R. **177/181**: 1389
Wiesinger, G., see Dubenko, I.S. **177/181**: 571
Wiesinger, G., see Bogner, J. **177/181**: 839
Wiesinger, G., see Hatzl, R. **187**: 318
Wiesmann, M., see Ehrenberg, H. **182**: 152
Wiesmann, M., see Ehrenberg, H. **186**: 74
Wigen, P.E., see Turpin, G.B. **177/181**: 235
Wigen, P.E., see Ebels, U. **177/181**: 1239
Wilkinson, C., see Forsyth, J.B. **177/181**: 1395
Wilkinson, C., see Schobinger-Papamantellos, P. **189**: 214
Willekens, M.M.H., see Swagten, H.J.M. **176**: 169
Willey, R.J., see Hamdeh, H.H. **186**: 377
Williams, G., see Cowen, J.A. **171**: 129
Williams, S.A., see Duffy, D.M. **177/181**: 953
Wilson, N.J.W., see Julian, S.R. **177/181**: 265
Winek, T., see Tumanski, S. **174**: 185
Wingreen, N.S., see Elliott, R.J. **177/181**: 769
Winiarska, A., see Drzazga, Z. **182**: 225
Winiarski, A., see Talik, E. **186**: 33
Wirtz, R., see Overend, N. **177/181**: 898
Wisniewski, A., R. Puzniak, R. Szymczak, M. Baran and J. Karpinski, Magnetic studies of flux pinning in $YBa_2Cu_3O_{7-x}$, $YBa_2Cu_4O_8$ and Hg-based single crystals **177/181**: 499
Wissler, P., see Estournès, C. **173**: 83
Wltschek, G., see Ehrenberg, H. **184**: 111
Wodniecki, P., see Neubauer, M. **189**: 8
Wojcik, M., see Jedryka, E. **177/181**: 1183
Wołcyrz, M., see Troć R. **190**: 251
Wolf, M., see Drzazga, Z. **182**: 225
Wolf, M., see Freudenberger, J. **187**: 309
Wolf, Th., see Markvardsen, A.J. **177/181**: 502
Wolfman, J., Ch. Simon and B. Raveau, Restoring the AFMI–FMM transition by calcium doping in the CMR manganites $Pr_{0.52}Sr_{0.48-x}Ca_xMnO_3$ **174**: L5
Wongsam, M., see Chantrell, R.W. **175**: 137
Woo, J.S., see Chang, S.K. **177/181**: 217
Woo, J.S., see Park, J.T. **182**: 381
Woods, M.J., see Arola, E. **177/181**: 1415
Woodward, R.C., see McDonnell, M. **177/181**: 1281
Woodward, R.C., see Folks, L. **190**: 28
Woolley, J.C., see Lamarche, A.-M. **186**: 121
Wortmann, G., see Strecker, M. **177/181**: 1095
Wortmann, G., see Mallik, R. **185**: L135
Wright, D.A., see Fisher, R.A. **177/181**: 787
Wright, D.A., see Gordon, J.E. **177/181**: 856
Wu, C.H., see Tang, S.L. **187**: 366
Wu, C.H., see Tang, S.L. **188**: 387
Wu, C.H., see Tang, S.L. **189**: 202
Wu, E., S.J. Campbell and W.A. Kaczmarek, A Mössbauer effect study of ball-milled strontium ferrite **177/181**: 255
Wu, E., see Campbell, S.J. **177/181**: 1103
Wu, P., see Wang, H.Y. **176**: 159
Wu, P., see Wang, H.Y. **177/181**: 1285
Wu, R., see Chang, C.S. **177/181**: 1255
Wu, R.Q., L.J. Chen, A. Shick and A.J. Freeman, First-principles determinations of magneto-crystalline anisotropy and magnetostriction in bulk and thin-film transition metals (*Invited paper*) **177/181**: 1216
Wu, X.C., see Zheng, M. **183**: 152
Wu, X.S., see Kang, S.S. **177/181**: 1313
Würsch, Ch. and D. Pescia, Test of scaling theory at a two-dimensional Ising-like transition using a monolayer of iron (*Invited paper*) **177/181**: 617
Würsch, Ch., see Stamm, C. **177/181**: 1279
Wuttig, M., see Braun, A. **171**: 16
Wuttig, M., see Berger, A. **183**: 35

Xi, H., G. Liang, K. Mochizuki, B. Tang and J.T. Markert, Magnetic properties of the $Sm_{1-x}Ce_xMn_2Ge_2$ system **175**: 319
Xia, H., see Du, J. **177/181**: 1209
Xia, H., see Kang, S.S. **187**: 154
Xia, K., see Tong, L.N. **177/181**: 1211
Xiang, T., see Bursill, R.J. **177/181**: 823
Xiang, X.H., see Kang, S.S. **187**: 154
Xiao, J.Q., see Dimitrov, D.V. **189**: 25
Xiao, Q.-f., see Zhang, Z.-D. **184**: 101
Xiao, Q.-f., see Zhang, Z.-D. **188**: 246
Xiao, Q.F., see Sui, Y.C. **172**: 285
Xiao, Q.F., see Kim, H.T. **173**: 295
Xiao, Q.F., T. Zhao, Z.D. Zhang, M.H. Yu, X.G. Zhao, W. Liu, D.Y. Geng, X.K. Sun and F.R. de Boer, Magnetic properties of $R_6Fe_{13}Sn$ (R = Nd, Pr) compounds **184**: 330
Xie, K., see Boyle, J.W. **173**: 241
Xie, X., see Yang, Z. **182**: 369
Xin, Z.H., G.Z. Wei and T.S. Liu, Magnetic properties of ground state in diluted mixed-spin Ising ferrimagnetic systems **176**: 206
Xin, Z.H., G.Z. Wei and T.S. Liu, Properties of the mixed spin-1 and spin-$\frac{3}{2}$ Ising system on a square lattice **188**: 65
Xin, Zi-hua, see Liu, T.-S. **173**: 179
Xiong, G., see Wang, X. **189**: 96
Xiong, H., see Wang, Y.-g. **185**: 339
Xu, H., Kai-yuan He and Li-zhi Cheng, Changes of structure and magnetic properties for a mixture of α-Fe and Fe_3N powders during mechanical alloying process **174**: 316
Xu, R.-G., see Han, X.-F. **190**: 257
Xu, S.Y., see Zhang, X.Y. **190**: 171
Xu, W.M., P. Zheng, Z.J. Chen and B.G. Shen, Giant magnetoresistance in CrFeMn alloys **172**: 183
Xu, Y.F., see Zhang, X.Y. **187**: 12

Xue, D., F. Li, J. Yang, Y. Kong and M. Gao, Effects of substitutional atoms on the properties of γ′-$(Fe_{1-x}TM_x)_4N$ (TM = Co, Ni) compounds **172**: 165

Yabe, K., see Adachi, Y. **177/181**: 1061
Yagasaki, K., see Burkov, A.T. **177/181**: 1069
Yagasaki, K., see Nakama, T. **177/181**: 425
Yagasaki, K., see Nakama, T. **177/181**: 1369
Yagasaki, K., see Burkov, A.T. **177/181**: 1067
Yakabe, F., see Matsubayashi, S. **177/181**: 249
Yakinthos, J.K., see Kotsanidis, P.A. **176**: 255
Yakinthos, J.K., see Kockelmann, W. **177/181**: 792
Yakinthos, J.K., see Semitelou, J.P. **186**: 107
Yamada, H., H. Muraoka and Y. Nakamura, A study of perpendicular magnetic recording characteristics with magnetoresistive head **176**: 56
Yamada, H., see Terao, K. **177/181**: 605
Yamada, H., K. Terao and M. Aoki, Electronic structure and magnetic properties of CoS_2 **177/181**: 607
Yamada, H., K. Terao, H. Nakazawa, I. Kitagawa, N. Suzuki and H. Ido, Electronic structure and magnetism of YCo_4B and YCo_3B_2 **183**: 94
Yamada, I., see Ishizuka, M. **177/181**: 725
Yamada, I., see Manaka, H. **177/181**: 681
Yamada, I., M. Hidaka, M. Nishi and J. Akimitsu, A possible relationship between the newly found crystal structure of $CuGeO_3$ and its anomalous dependence of magnetic susceptibility and lattice parameters on temperature **177/181**: 703
Yamada, K., see Matsuura, M. **177/181**: 1365
Yamada, K., see Hiraka, H. **177/181**: 1349
Yamada, K., see Ishiguro, A. **177/181**: 1355
Yamada, S., see Mukhopadhyay, S.C. **177/181**: 999
Yamada, S., see Nunomura, N. **177/181**: 947
Yamada, S., see Oki, A. **177/181**: 1089
Yamada, T., see Kakuno, K. **177/181**: 1249
Yamada, Y., K. Kuroda, A. Sakata and T. Murakami, Magnetic properties of $Ti(Fe_{1-x}Al_x)_2$ **177/181**: 1397
Yamagishi, T., see Arai, J. **177/181**: 515
Yamaguchi, H., K. Katsumata, M. Steiner and H.-J. Mikeska, Specific-heat measurements on the quasi-one-dimensional magnet $(CH_3)_4NNiBr_3$ **177/181**: 750
Yamaguchi, I., see Manago, T. **177/181**: 1191
Yamaguchi, Y., see Koshikawa, Y. **173**: 72
Yamaguchi, Y., see Sato, K. **177/181**: 1381
Yamaguchi, Y., see Hori, T. **177/181**: 1423
Yamaguchi, Y., see Shiraishi, H. **177/181**: 1417
Yamaguchi, Y., see Nakama, T. **177/181**: 425
Yamaguchi, Y., see Takahashi, K. **177/181**: 1097
Yamaguchi, Y., see Onodera, H. **182**: 161
Yamamoto, E., see Yoshizawa, M. **177/181**: 305
Yamamoto, E., see Inada, Y. **177/181**: 389
Yamamoto, E., see Suzuki, T. **177/181**: 415
Yamamoto, E., see Aoki, Y. **177/181**: 271
Yamamoto, E., see Haga, Y. **177/181**: 437
Yamamoto, K., see Kino, Y. **177/181**: 243
Yamamoto, N., see Kawano, S. **177/181**: 1019
Yamamoto, S., see Ohkoshi, M. **177/181**: 1193
Yamamoto, T., see Tanaka, H. **177/181**: 1468
Yamasaki, A., see Negishi, H. **185**: 85
Yamashita, H., see Ito, M. **177/181**: 673
Yamashita, M., see Katsumata, K. **177/181**: 626
Yamashita, M., see Sato, S. **177/181**: 689
Yamashita, T., see Urakabe, T. **177/181**: 1145
Yamatoto, M., see Nishimura, K. **177/181**: 1087
Yamauchi, H., see Koshikawa, Y. **173**: 72
Yamauchi, H., see Sato, K. **177/181**: 1381
Yamauchi, H., see Onodera, H. **182**: 161
Yamauchi, T. and Y. Ueda, Isostructural transition metal ortho-phosphates with linear chain of $S = 1/2$, 1 and 3/2 **177/181**: 705
Yamazaki, H., Y. Tanaka and K. Katsumata, Competing magnetic anisotropies in Er/Tb multilayers **177/181**: 1207
Yampolskaya, G.I., see Dovgij, V.T. **172**: 77
Yampolskii, S.V., see Dovgij, V.T. **172**: 77
Yampolskii, S.V., see Dellalov, V.S. **172**: 74
Yan, A., X. Song, Z. Chen and X. Wang, Characterization of microstructure and coercivity of Nd–Fe–B magnets with Ti and Al or Cu addition **185**: 369
Yan, M.-L., see Ge, S.-H. **177/181**: 1179
Yan, M.L., see Zhang, X.Y. **187**: 12
Yan, Q., see Wang, F. **177/181**: 1056
Yan, Q., see Zhang, J. **190**: 166
Yanagisawa, T., see Bhar, G.C. **188**: 180
Yanase, A., see Betsuyaku, K. **177/181**: 1405
Yanase, A., see Tanaka, S. **177/181**: 329
Yang, C., see Gao, Y. **186**: 97
Yang, C.J., S.W. Kim and J.S. Kang, Magnetic properties of NdFeB thin films grown by a pulsed laser deposition **188**: 100
Yang, C.P., see Tang, S.L. **189**: 341
Yang, C.S., see Lo, C.K. **177/181**: 1257
Yang, F., see Wang, J. **185**: 345
Yang, F., see Pan, H. **185**: 77
Yang, F., see Wang, Y.-g. **185**: 339
Yang, F.M., see Han, X.-F. **190**: 257
Yang, J., see Kong, Y. **172**: L15
Yang, J., see Xue, D. **172**: 165
Yang, J.-S., see Chang, C.R. **177/181**: 903
Yang, J.-B., B. Cui, W.-H. Mao, B.-P. Cheng, Y.-C. Yang and S.-L. Ge, Hard magnetic properties of $NdFe_{10.5}V_{1.5}N_x$ powders with high performance **182**: 131
Yang, J.-L., see Lin, C. **186**: 129
Yang, J.X., see Yang, X.L. **175**: 285

Yang, W., Z.S. Jiang, J.H. Cai, Y.W. Du, R.J. Zhang, S.M. Zhou and L.Y. Chen, Magneto-optical Kerr effect in Co–Ag granular films **177/181**: 1289
Yang, X., see Wang, X. **189**: 96
Yang, X.B., see Okumura, Y. **185**: 249
Yang, X.L., J.X. Yang, G. Chen, G.T. Shen, B.Y. Hu and K.Y. Jiang, Magneto-impedance effect in field- and stress-annealed Fe-based nanocrystalline alloys **175**: 285
Yang, Y.-C., see Yang, J.-B. **182**: 131
Yang, Y.K., L.H. Chen, Y.H. Chang and Y.D. Yao, Microstructure, magnetic and transport properties of melt-spun $Cu_{60}(Ni_{0.8}Fe_{0.2})_{40}$ alloys **189**: 195
Yang, Z., J. Li, Ding-sheng Wang, K. Zhang and X. Xie, Electronic structure and magnetic properties of δ-MnGa **182**: 369
Yang, Z., see Wang, C.S. **183**: 241
Yang, Z., see Tang, W. **186**: 115
Yang, Z., see Fang, H.C. **187**: 129
Yang, Z., see Zhang, X.Y. **190**: 171
Yao, Y.D., see Lo, C.K. **177/181**: 1257
Yao, Y.D., see Chang, C.R. **177/181**: 903
Yao, Y.D., see Klik, I. **182**: 335
Yao, Y.D., see Klik, I. **186**: 233
Yao, Y.D., see Yang, Y.K. **189**: 195
Yao, Y.D., see Liou, S.H. **190**: 130
Yao, Z.-Y., H. Jiang, Z.-K. Liu, D.-D. Huang and Fu-Guang Qin, S.-C. and Zhu and Y.-X. Sun, Formation and magnetic properties of $Fe_{16}N_2$ films prepared by ion-beam-assisted deposition **177/181**: 1291
Yasui, M., see Kato, T. **177/181**: 1427
Yasui, M., see Okumura, Y. **185**: 249
Yasumoto, M., see Isikawa, Y. **177/181**: 391
Yasuoka, H., see Machi, T. **177/181**: 525
Yasuoka, H., see Ohno, T. **177/181**: 537
Yasuoka, H., see Uyeda, Y. **177/181**: 1391
Yasuoka, H., see Fujiwara, N. **177/181**: 628
Yelon, W.B., see Chang, W.C. **172**: 277
Yelon, W.B., see Long, G.J. **176**: 217
Yelon, W.B., see Pringle, O.A. **183**: 81
Yelon, W.B., see Awana, V.P.S. **187**: 192
Yıldırım, M., see Bakkaloğlu, Ö.F. **190**: 193
Yin, J.H., see Tang, W. **186**: 115
Ylinen, E.E., see Tulin, V.A. **174**: 137
Yoğurtcu, Y.K., see Bakkaloğlu, Ö.F. **190**: 193
Yokoo, T., see Kimura, S. **177/181**: 624
Yokoya, T., see Takahashi, T. **177/181**: 1027
Yokoyama, M., E. Ohta, T. Sato and T. Sato, Magnetic properties of ultrafine particles and bulk material of cadmium ferrite **183**: 173
Yokoyama, T., see Nagai, H. **177/181**: 1131
Yokoyama, Y., see Peng, D.-L. **184**: 319
Yoneda, Y., see Taguchi, R. **176**: 8
Yoon, S., see Ko, K.Y. **176**: 313
Yoshida, H., S. Abe, T. Kaneko, Y. Fujimori and S. Ohta, Fe replacement effect Cu in the antiferromagnetic ordered alloy $(Fe_{1-x}Cu_x)_{24}Pt_{76}$ **177/181**: 1449
Yoshida, H., see Nakama, T. **177/181**: 425
Yoshida, H., see Ide, Y. **177/181**: 1245
Yoshida, H., see Sato, K. **177/181**: 1381
Yoshida, H., see Goto, T. **177/181**: 1421
Yoshida, I., see Kim, D.J. **173**: 266
Yoshida, Y., see Okumura, H. **177/181**: 405
Yoshida, Y., see Sugiyama, K. **177/181**: 361
Yoshie, H., see Maruyama, F. **177/181**: 1128
Yoshie, H., W. Takahashi, H. Ishizone, Y. Amako, H. Nagai, M. Shiga, H. Wada and K. Adachi, Nuclear magnetic resonance of $CeCo_4B$ **177/181**: 481
Yoshie, H., see Nagai, H. **177/181**: 1131
Yoshii, S., H. Suzuki, T. Miyazaki and M. Kasaya, Metamagnetic behavior in the new Kondo compound CePtAs **177/181**: 427
Yoshikawa, M., see Nakata, Y. **177/181**: 1175
Yoshikawa, Y., see Wada, S. **177/181**: 1393
Yoshino, T., see Takabatake, T. **177/181**: 277
Yoshitake, R., see Iwasa, K. **177/181**: 393
Yoshizawa, M., H. Kitaichi, M. Nakamura, M. Hedo, Y. Inada, E. Yamamoto, Y. Haga, Y. Ōnuki, H. Sugawara and H. Sato, Vortex phase diagram of $CeRu_2$ **177/181**: 305
You, B., see Tong, L.N. **177/181**: 1211
Youn, S.J., see Min, B.I. **177/181**: 881
Yu, J.Z., see Wang, Q. **184**: 106
Yu, M.H., see Xiao, Q.F. **184**: 330
Yu, Ming-hui, see Zhang, Zhi-dong **174**: 261
Yu, S.-C., see Kim, K.-S. **177/181**: 553
Yu, S.-C., see Kim, K.-S. **177/181**: 968
Yu, S.C., see Song, Y.Y. **177/181**: 257
Yu, S.C., see Kim, W.T. **177/181**: 1123
Yu, X.Y., A. Sugie, Y. Fujiwara, S. Iwata and S. Tsunashima, Dependence of magneto-optical effect of NdGd/FeCo multilayers on bilayer periods **177/181**: 1203
Yu, X.Y., see Fujiwara, Y. **177/181**: 1173
Yu, Y., L. Clapham, D.L. Atherton and T.W. Krause, Tensor magnetostriction loops for a steel cube **171**: 94
Yu, Y., see Liorzou, F. **182**: 49
Yuasa, S., see Katayama, T. **177/181**: 1251
Yuasa, S., T. Katayama, K. Murata, M. Usukura and Y. Suzuki, Epitaxial growth and magnetic properties of B2-type ordered FeRh alloys **177/181**: 1296
Yusuf, N.A., A. Ramadan and H. Abu-Safia, The wavelength and concentration dependence of the magneto-dielectric anisotropy effect in magnetic fluids determined from magneto-optical measurements **184**: 375

Zabel, H., see Ge, S.-H. **177/181**: 1179
Zabel, H., see Sonntag, P. **183**: 5
Zabel, H., see Zeidler, Th. **187**: 1
Zablotskii, V. and E. Soika, Domain rotation in magnetic garnet films **182**: 31
Zabluda, V., A. Pozeluyko, I. Edelman, A. Malakhovskii, T. Zarubina, G. Petrovskii and M. Ivanov, Concentration dependence of the Faraday rotation in the Pr containing oxide glasses **185**: 207
Zaburannyi, O., see Derzhko, O. **186**: 188
Zadro, K., Magnetic excitations in very dilute amorphous $Fe_xNi_{80-x}B_{18}Si_2$ ferromagnets **177/181**: 837
Zadro, K., see Kokanović, I. **188**: 138
Zaharko, O., P. Schobinger-Papamantellos, C. Ritter, J. Rodríguez-Carvajal and K.H.J. Buschow, Influence of thermal history on crystal structure, microstructure and magnetic properties of $TbFe_6Ge_6$ (II) **187**: 293
Zaidi, Z.H., see Kumar, N. **184**: 355
Zaikov, N.K., see Andreev, S.V. **187**: 83
Zaleski, A.J., see Tomkowicz, Z. **172**: 128
Zalessky, A.V., see Gippius, A.A. **184**: 358
Zarubina, T., see Zabluda, V. **185**: 207
Zaussinger, G., see Bauer, E. **177/181**: 1401
Zbroszczyk, J., see Ciurzyńska, W. **189**: 384
Zeidler, Th., K. Theis-Bröhl and H. Zabel, Exchange coupling of Co/Cr(0 0 1) superlattices for in-plane and perpendicular anisotropy **187**: 1
Zeiske, T., see Harris, M.J. **177/181**: 757
Zelezny, V., see Mukhin, A.A. **177/181**: 531
Zeller, R., see Asato, M. **177/181**: 1403
Zeller, R., see Hoshino, T. **177/181**: 1411
Zellermann, B., see Moser, A. **183**: 272
Zemlyanski, S.V., see Kreiner, K. **177/181**: 581
Zeng, Z., see Wang, Q. **184**: 106
Zern, A., M. Seeger, J. Bauer and H. Kronmüller, Microstructural investigations of exchange coupled and decoupled nanocrystalline NdFeB permanent magnets **184**: 89
Zettl, A., see Gordon, J.E. **177/181**: 856
Zhai, H.R., see Du, J. **177/181**: 1209
Zhai, H.R., see Tong, L.N. **177/181**: 1211
Zhai, H.R., see Kang, S.S. **177/181**: 1313
Zhai, H.R., see Zheng, W.M. **177/181**: 1315
Zhan, Wen-shan, see Zhang, Jun-xian **183**: 111
Zhang, C., see Wang, J. **185**: 345
Zhang, G.P., see Hübner, W. **189**: 101
Zhang, G.W., Y.P. Feng and C.K. Ong, Electronic and magnetic properties of intermetallic compound YCo_5 **184**: 215
Zhang, H., see Campbell, S.J. **177/181**: 1103
Zhang, H.-w., S.-y. Zhang, B.-g. Shen and F.-w. Wang, The effects of Cu, Nb and Zr additions on the permanent magnetic properties of melt-spun Sm–Fe–Si–C ribbons **187**: 247
Zhang, J.-R., see Guo, Z.-B. **175**: 333
Zhang, J., see Jin, Z. **177/181**: 1115
Zhang, J., see Jin, Z. **182**: 231
Zhang, J.-R., see Tang, W. **184**: 209
Zhang, J.-R., see Tang, W. **185**: 241
Zhang, J., see Jin, Z. **187**: 237
Zhang, J., F. Wang, P. Zhang, X. Sun and Q. Yan, Magnetic and electric properties of layered perovskites $Nd_{2-2x}Sr_{1+2x}Mn_2O_7$ ($x = 0.3$–0.5) **190**: 166
Zhang, J.R., see Jin, Z.Q. **185**: 71
Zhang, J.R., see Tang, W. **186**: 115
Zhang, J.R., see Jin, Z.Q. **187**: 231
Zhang, J.W., see Zhang, X.Y. **172**: 301
Zhang, Jun-xian, Zhao-hua Cheng, Bao-gen Shen, B. Liang, J. van Lier, I. Kleinschroth, Wen-shan Zhan and H. Kronmüller, Magnetic properties of $R_2Fe_{17-x}Ga_xC$ (R = Gd or Tb) compounds **183**: 111
Zhang, K., see Yang, Z. **182**: 369
Zhang, L., see Wang, Z. **171**: 300
Zhang, L.-S., see Wang, X.-H. **184**: 95
Zhang, L. see Wang, X. **189**: 96
Zhang, M., F. Pan and B.X. Liu, Magnetic properties and microstructure of Fe/Ti nano-scale multilayers **182**: 89
Zhang, M., see Zhang, X.Y. **187**: 12
Zhang, P., see Zhang, J. **190**: 166
Zhang, R.J., see Yang, W. **177/181**: 1289
Zhang, R.J., see Zheng, W.M. **177/181**: 1315
Zhang, S.-Y., see Tang, W. **184**: 209
Zhang, S.-y., see Zhang, H.-w. **187**: 247
Zhang, S., see Fang, Q. **188**: 241
Zhang, S., see Wang, K. **189**: L131
Zhang, S.Y., see Tang, S.L. **189**: 341
Zhang, X.Y., J.W. Zhang, R.P. Liu, J.H. Zhao and Y.Z. Zheng, Influence of annealing temperature on the microstructure and initial permeability of the nano-crystalline alloy $Fe_{73.5}Cu_1W_3Si_{13.5}B_9$ **172**: 301
Zhang, X.Y., Y.F. Xu, M.L. Yan, L.M. Chao, M. Zhang, J.H. Zhao, W.Y. Lai and W.K. Wang, Interdiffusion in $Ni_{80}Fe_{20}$/Mo magnetic multilayers **187**: 12
Zhang, X.Y., C.K. Ong, S.Y. Xu and Z. Yang, Barrium ferrite films with in-plane orientation grown on silicon by pulsed laser deposition **190**: 171
Zhang, Y., Investigation of oxidation resistance of magnetic power coated with silicone **171**: 305
Zhang, Y., see Kim, D.H. **190**: 302
Zhang, Yu-mei, see Wang, Z. **171**: 300
Zhang, Z.-Z., see Ge, S.-H. **177/181**: 1179

Zhang, Z.-D., W. Liu, X.K. Sun, X.-g. Zhao, Q.-f. Xiao, Y.-c. Sui and T. Zhao, Structure and magnetic properties of Nd–Fe–B–Ti prepared by mechanical alloying **184**: 101

Zhang, Z.-D., W. Liu, X.K. Sun, X.-g. Zhao, Q.-f. Xiao, Y.-c. Sui, and T. Zhao, Erratum to "Structure and magnetic properties of Nd–Fe–B–Ti prepared by mechanical alloying" [J. Magn. Magn. Mater. 184 (1998) 101–105] **188**: 246

Zhang, Z.D., see Sui, Y.C. **172**: 285

Zhang, Z.D., see Kim, H.T. **173**: 295

Zhang, Z.D., see Xiao, Q.F. **184**: 330

Zhang, Zhi-dong, Ming-hui Yu and T. Zhao, New phenomena in temperature dependence of spontaneous magnetization in a two-sublattice system **174**: 261

Zhang, Zhi-dong, T. Zhao, P.F. de Châtel and F.R. de Boer, Spin configurations and magnetization processes in a free-sample two-sublattice system **174**: 269

Zhao, H.W., see Tong, L.N. **177/181**: 1211

Zhao, J.H., see Zhang, X.Y. **172**: 301

Zhao, J.H., see Zhang, X.Y. **187**: 12

Zhao, T., see Sui, Y.C. **172**: 285

Zhao, T., see Zhang, Zhi-dong **174**: 261

Zhao, T., see Zhang, Z.-D. **184**: 101

Zhao, T., see Xiao, Q.F. **184**: 330

Zhao, T., see Zhang, Z.-D. **188**: 246

Zhao, X.-g., see Zhang, Z.-D. **184**: 101

Zhao, X.-g., see Zhang, Z.-D. **188**: 246

Zhao, X.G., see Sui, Y.C. **172**: 285

Zhao, X.G., see Xiao, Q.F. **184**: 330

Zhao, X.L., see Hofmann, M. **176**: 279

Zharnikov, M., A. Dittschar, W. Kuch, C.M. Schneider and J. Kirschner, Interplay between structure and magnetism in Fe/Cu(1 0 0) upon temperature variation **174**: 40

Zheng, M., X.C. Wu, B.S. Zou and Y.J. Wang, Magnetic properties of nanosized $MnFe_2O_4$ particles **183**: 152

Zheng, P., see Xu, W.M. **172**: 183

Zheng, W.M., S.M. Zhou, Y. Wang, W.R. Zhu, R.J. Zhang, Y.X. Zheng, L.Y. Chen, A. Hu and H.R. Zhai, Oscillation effects in the magnetic and optical properties of Co–Al/Cu multilayers **177/181**: 1315

Zheng, Y.X., see Zheng, W.M. **177/181**: 1315

Zheng, Y.Z., see Zhang, X.Y. **172**: 301

Zhong, L., see Kim, M. **186**: 277

Zhong, W., see Guo, Z.-B. **175**: 333

Zhou, F., see Kachkachi, H. **172**: 173

Zhou, P.Y., see Shin, K.H **177/181**: 225

Zhou, S., see Mei, W. **174**: 100

Zhou, S.M., see Yang, W. **177/181**: 1289

Zhou, S.M., see Zheng, W.M. **177/181**: 1315

Zhou, Y.-M., W.-T. Geng and D.-S. Wang, Magnetism of Fe/Cu(0 0 1) superlattices with ideal face-centered cubic and volume enlarged tetragonal structures **177/181**: 1321

Zhu, J., see Gao, Y. **186**: 97

Zhu, S.-C. and H.-Y. Chen, Research on the magnetic spectrum of power-supply ferrite materials **177/181**: 259

Zhu, S.-C., see Yao, Z.-Y. **177/181**: 1291

Zhu, W.R., see Zheng, W.M. **177/181**: 1315

Ziebeck, K.R.A., see Smith, T.J. **177/181**: 543

Ziebeck, K.R.A., see Parsons, M.J. **184**: 184

Zillgen, H., see Berger, A. **183**: 35

Zimmermann, T., see Berkov, D.V. **182**: 81

Zipper, E., see Lisowski, M. **189**: 225

Ziq, Kh.A., see Mekki, A. **189**: 207

Zobel, C., see Rösch, P. **177/181**: 1071

Zölfl, M., M. Brockmann, M. Köhler, S. Kreuzer, T. Schweinböck, S. Miethaner, F. Bensch and G. Bayreuther, Magnetic films epitaxially grown on semiconductors **175**: 16

Zolnierek, Z., see Stüßer, N. **177/181**: 815

Zorchenko, V.V., V.N. Samophalov, A.N. Stetsenko and A.N. Chirkin, Oscillating magnetoresistance of Co/Cu(1 1 1) films **183**: 25

Zou, B.S., see Zheng, M. **183**: 152

Zou, Z.-Q., see Li, M. **176**: 331

Zquiak, R., see García del Muro, M. **171**: 315

Zubarev, A.Yu. and L.Yu. Iskakova, Dynamics of the Frederiks effect in ferronematic **183**: 201

Zuberek, R., see Gnatchenko, S.L. **186**: 139

Zuberek, R., see Lachowicz, H.K. **190**: 267

Zueco, E., see Rave, W. **177/181**: 1474

Zueco, E., W. Rave, R. Schäfer, A. Hubert and L. Schultz, Combined Kerr-/magnetic force microscopy on NdFeB crystals of different crystallographic orientation 190: 42

Žukovič, M., A. Bobák and T. Idogaki, Thermal and percolative properties of a diluted Ising metamagnet in a field **188**: 52

Zukrowski, J., see Cottenier, S. **177/181**: 1083

Zukrowski, J., see Przewoźnik, J. **187**: 337

Zurawicz, J.K., see Jartych, E. **186**: 299

Zvezdin, A.K., see Kostyuchenko, V.V. **176**: 155

Zvezdin, A.K., see Popov, Y.F. **188**: 237

Zvyagin, S.A., see Sieling, M. **177/181**: 695

ELSEVIER

Journal of Magnetism and Magnetic Materials 171–190 (1999) 84–115

Journal of magnetism and magnetic materials

www.elsevier.com/locate/jmmm

Subject index to volumes 171–190

1/*n* expansion	**177/181**: 153
3d impurities – metals	**177/181**: 1429
3d metals	**177/181**: 599, 1183, 1365, 1447, 1464
4d- and 5d-elements	**177/181**: 249
AC magnetic properties	**176**: L93
AC susceptibility	**177/181**: 93, 105
Ab initio calculations	**183**: 272
Absorption spectra	**182**: 359
Acoustic resonance	**184**: 173
Actinide compounds	**177/181**: 41, 43, 47, 49, 51, 55, 441, 459, 785
Actinides	**177/181**: 53, 316, 327
	183: 132
	189: 283
Activation energy	**185**: 187
Addition effects	**184**: 209
	185: 369
	186: 115
Additive metals	**176**: 25
Adhesive force	**177/181**: 907
Aerogel synthesis	**186**: 377
Aftereffect	**174**: 77
Aggregation	**177/181**: 953
Aging	**177/181**: 63
	184: 83
Alloy films	**176**: 331
Alloy spacer	**185**: 293
Alloys	**177/181**: 1429, 1476
	185: 18
	187: 221
	190: 302
– laser deposition	**189**: 8
Alternating bond	**189**: 115
Aluminum chamber	**176**: 46
Aluminum substitution	**187**: 113
Amorphization	**177/181**: 1445
	183: 185
Amorphous alloys	**171**: 141
	177/181: 73
	185: 187
	186: 104
Amorphous materials	**171**: 315
	182: 185
	190: 199
Amorphous ribbons	**177/181**: 119
	190: 89
Amorphous systems	**172**: 147, 291
	177/181: 111, 121, 127
	183: 345
	185: 71, 105
– alloys	**177/181**: 107, 115, 123, 125, 132, 453, 928
– bilayer	**183**: 334
– ferromagnets	**177/181**: 117
– iron	**177/181**: 83
– metal	**188**: 153
– metallic glasses	**177/181**: 73, 129
– oxides	**177/181**: 91
	183: 375
	184: 238
– particles	**185**: 1
– rare-earth	**171**: 320
– RE–TM alloys	**177/181**: 99
– ribbons	**171**: 300
	172: 301
	174: 289
	177/181: 109, 941
	187: L273
– soft magnetic	**177/181**: 121, 225, 955
– spin glasses	**177/181**: 83
– TM alloys	**185**: 305
– wires	**171**: 64
	174: 127
	177/181: 199, 205
	186: 135
Amorphous wires	**185**: 159
	187: 252
Amorphous	**187**: 17
	189: 1
Anderson localization	**185**: 305
Anderson model	**177/181**: 323, 1035
Angle resolved photoemission	**185**: 94
Angular distribution of the switching field	**182**: 5

0304-8853/99/$ - see front matter © 1999 Elsevier Science B.V. All rights reserved.
PII: S0304-8853(99)00419-9

Anisotropic exchange coupling **177/181**: 858
Anisotropic mixing **177/181**: 347
Anisotropic thin films **177/181**: 945
Anisotropy **171**: 29
172: L1, 69, 229
173: 5, 20, 72, 167, 193
174: 127
175: 10, 90, 285
176: 313
177/181: 161, 894, 1063, 1145, 1287
182: 25, 71, 297, 359
183: 19, 75, 111, 135, 181, 209, 247
184: 289
185: 228, 274
187: 75, 154, L273
188: 169, L269, 291
189: 310
190: 199, 321
– amorphous systems **183**: 345
– competing **177/181**: 81, 93, 1207
– cone **173**: 93
– constants **173**: 51
– crystal field induced **171**: 267
– cubic **174**: 247
– Fe alloys **177/181**: 1237, 1243
– Fe compounds **177/181**: 995
– helical **177/181**: 220
188: 286
– hysteresis curve **177/181**: 1257
183: 75
– in plane **171**: 16
174: 33
187: 1
– induced **173**: 287
177/181: 113, 225, 949, 1235
– induction **177/181**: 220
– interface **173**: 163
– magnetic **177/181**: 233, 353, 361, 479, 695, 709, 785, 1123, 1201, 1313, 1351, 1434
– magnetization processes **177/181**: 1081, 1305
– magneto-dielectric **184**: 375
– magnetocrystalline **171**: 237
174: 117, 121
177/181: 1216, 1231, 1257, 1357
182: L275
185: 118, 345
188: 173, 275
– magnetoelastic **177/181**: 1223
– Mn **171**: 267
– multi-axial **183**: 163
– optical **184**: 375
– out of plane **174**: 33
– perpendicular magnetic **188**: 310
– perpendicular **171**: 16, 45
172: 19, 26, 41, 61
174: 77
176: 31, 41
177/181: 107, 1181, 1186, 1211, 1253
185: 258
187: 1
– planar **177/181**: 107, 750, 1273
– pseudo-dipolar **177/181**: 1016
– random **171**: 291
172: 317
177/181: 99, 117, 123, 211, 943, 949
189: 263
– RE compounds **177/181**: 409, 1081, 1109
– shape-induced **177/181**: 1271
– single ion **177/181**: 624, 667
– spin glasses **177/181**: 101
– stress induced **177/181**: 1237
– surface **177/181**: 1259, 1273
183: 283
– thin films **177/181**: 1237
– uniaxial **171**: 280
172: 77
177/181: 1173
184: 19, 41
185: 131
189: 377
– unidirectional thin films **184**: 41
Anisotropy constants **177/181**: 959
182: 55
186: 349
187: 63
189: 241
190: 108
– induced **186**: 135
– interface **186**: 277
– magnetocrystalline **186**: 33, 277
Anisotropy dispersion **188**: 35
Anisotropy energy **177/181**: 746, 1387
188: 275
Anisotropy exchange **189**: 115
Anisotropy fields **175**: 328
177/181: 993
182: 403
190: 257
Anisotropy fluctuations **177/181**: 1149
Anisotropy theory **177/181**: 989
Annealing **175**: 285
177/181: 1285
188: 367
Annealing effect **172**: 301
177/181: 951
186: 87
Anomalous Hall effect **176**: 233

Antiferromagnet **173**: 43
177/181: 383, 721
182: 161
184: 173
189: 115
Antiferromagnetic bonds **190**: 233
Antiferromagnetic correlations **177/181**: 1399
Antiferromagnetic coupling **176**: 175
182: 81
186: 154
189: 39
Antiferromagnetic layer **173**: 321
Antiferromagnetic order **177/181**: 611
Antiferromagnetic ordering **177/181**: 399
Antiferromagnetic phase **172**: 183
Antiferromagnetic spin glasses **188**: 393
Antiferromagnetics **187**: 345
Antiferromagnetism **172**: 254
173: 72
174: L5
175: 263, 299, 319
177/181: 1, 51, 287, 385, 435, 461, 465, 469, 593, 737, 746, 754, 767, 779, 785, 787, 1054, 1079, 1135, 1147, 1191, 1353, 1365, 1387, 1413, 1425, 1449
182: 124
185: 228
186: L1
187: 105, 309
188: 85, 203
– one dimensional **177/181**: 638, 645
– quantum **177/181**: 638, 659, 669, 681, 703, 775
Antiferromagnets **177/181**: 167, 209, 441, 640, 765, 1063, 1367
183: 185, 356
185: 144
– frustrated **177/181**: 151, 177, 620, 665, 833
– one-dimensional **177/181**: 643, 653, 661, 667, 677, 763
– two-dimensional **177/181**: 715
Antiresonance **177/181**: 867
Antitaenite **174**: 321, 324
Approach to saturation law **187**: 129
Ar pressure **182**: 396
Arrott diagram **172**: 259
Artificial superlattices **177/181**: 495
Astroïd **182**: 5
Atomic force microscopy **177/181**: 913, 1231
Atomic magnetic moments **183**: 117
Atomic ordering **188**: 373
Atomic structure **177/181**: 439
Atomic-hydrogen assistance **177/181**: 1379
Auger depth profile **174**: 33
Auger electron diffraction **177/181**: 1275
Augmented spherical wave method **174**: 219
Avalanches **184**: L257

B–H curve **177/181**: 1319
B addition **189**: 1
BET surface area **189**: 83
Ba-hexaferrite **187**: 169
Backward extrusion **183**: 359
Ball milling **172**: 119
177/181: 255
187: 169
Band calculations **177/181**: 329, 381, 811, 879, 1175, 1403, 1405, 1411
183: 292
185: 43, 118
Band magnetism **177/181**: 605
Band model **185**: 121
Band structure **172**: 237
177/181: 1385
– calculations **177/181**: 607, 839, 1046, 1223, 1357, 1367, 1383, 1468
185: 35, 322
– energy **177/181**: 605
Band theory **176**: 97
Band **189**: 131
Barium ferrite films **190**: 171
Barium ferrite **184**: 344
Barkhausen effect **184**: L257
Barkhausen jumps **177/181**: 199
Barkhausen noise **171**: 153, 179
174: 155
175: 255
Bethe ansatz **173**: 259
177/181: 575
184: 302
187: 261
Bethe lattice **187**: 381
Biaxial anisotropy **175**: 64
Bilinear exchange **173**: 133
Binary structural phase diagram of Ti–Fe **190**: 289
Biomagnetism **177/181**: 1451, 1453, 1457
184: 241
Biquadratic exchange **173**: 133
188: 333
Birefringence **177/181**: 831
184: 375
Bistability **177/181**: 205
Bit transition width **175**: 115
Bloch lines **174**: 137

177/181: 195, 227, 229
190: 17
– vertical **183**: 313
Bloch walls **177/181**: 1267
190: 17
Block copolymers **182**: 216
Blocking temperature **185**: 1
Blume Emery Griffiths model **183**: 299
187: 381
Blume–Capel model – spin-*S* **177/181**: 163
Borocarbides **172**: 139
187: 309
Bosonization **177/181**: 650
Brillouin light scattering **175**: 228
Brillouin scattering **177/181**: 1259
Brown relaxation **186**: 168
Bubble film **185**: 379
Bulk magnetic materials **189**: 293
Buoyancy-driven instability **188**: 326

C14 Laves-phase intermetallic compounds **190**: 289
Calculated magnetic moments **185**: 322
Canted antiferromagnetism **185**: 91
Canted ferromagnetism **177/181**: 811
Canting structure **172**: 97
Cap layers **177/181**: 1220
Capping layer **184**: 49
Cation distribution **183**: 173
186: 333
Cayley tree **177/181**: 185
CeNiSn **190**: 245
Cerium compounds **177/181**: 433
Cerium pnictides **186**: 306
Characteristic plots **184**: 245
Charge ordering **177/181**: 307, 881
183: 143
190: 221
Charge transfer **177/181**: 801
Charge-dipolar ordering **174**: L28
Charge-transfer transition **177/181**: 249
Chemical bonding **174**: 219
Chemical synthesis **183**: 152
Chirality **177/181**: 69
Chromium **185**: 213
Classical spin system **175**: 249
Cluster analysis **188**: 41
Cluster glass **177/181**: 103
184: 319
185: 85
Cluster growth **173**: 305
Cluster model **177/181**: 87, 115
Cluster variational method **187**: 381
Clusters **172**: 110
177/181: 91, 175, 783, 953, 1324, 1330
184: 106
185: 238
186: 214
Clustered compounds **177/181**: 263
Co dots **190**: 71
Co-precipitation **187**: 129
Co–Cr–Ta tape **176**: 8
CoCrPt **182**: 396
CoCu **185**: 331
CoO **190**: 183
Coating **172**: 119
Cobalt **176**: 134, 331
185: 94
Cobalt–nickel **188**: 367, 373
Coercive field **177/181**: 115, 943
Coercive force **177/181**: 1245
185: 246
Coercivity **171**: 69, 261
172: L9, 225
173: 314
174: 77
175: 333
176: 288, 307
177/181: 109, 127, 903, 931, 959, 970, 1231, 1389
183: 209, 329
184: 101, 166, 330
185: 180, 249, 369
186: 41, 248
187: 247, L273, 371
188: 119, 169
189: 377
190: 130, 240, 267, 302
– angular dependence **177/181**: 1235
– intrinsic **185**: 66
Coercivity field **177/181**: 1271
Coherent rotation model **182**: 5
Coherent rotation of magnetization **182**: 335
Cole–Cole plot **177/181**: 89
Collective reading **176**: 66
Commensurability **177/181**: 1014
Compensation point **172**: 259
Compensation temperature **190**: 157
Competing interactions **177/181**: 300, 573, 715, 773
Composite intermetallic compounds **185**: 49
Composite materials **188**: 145
Composite particles **183**: 195
Composites **176**: 183
183: 127, 379
Compositional inhomogeneity **173**: 314
Compositional separation **184**: 116
Compressibility **172**: L15
Compression **188**: 71
Computational micromagnetism **184**: 166

Computer simulation **177/181**: 81, 149, 775
Conducting matrix **188**: 71
Conduction-electron polarization **177/181**: 1048
Conformal field theory **177/181**: 316
Convection **176**: 321
Conversion electron Mössbauer spectroscopy **175**: 219
Conversion **177/181**: 1245
Coordination number **177/181**: 1021
Copper oxides **186**: 288
Coprecipitated powders **185**: 194
Core loss **182**: 381
183: 305
Correlated electron system **177/181**: 319, 505, 879
184: 307, 313, 316
185: 174
Correlated spin glass **189**: 263
Correlations **177/181**: 433, 569
– antiferromagnetic **177/181**: 407
– electronic **177/181**: 18, 1037
Coulomb blockade **177/181**: 313
185: 283
Coulomb interaction **177/181**: 1010
Coupling **189**: 131
– interlayer **172**: 61
Cr alloys **186**: L1
187: 345
Creep **177/181**: 207
Critical behaviour **188**: 333
Critical dynamics **171**: 329
Critical exponents **174**: 89
182: 287
183: 348
Critical field **189**: 225
Critical phenomena **171**: 341
177/181: 147, 161, 171, 331, 547
– concentration **184**: 238
– dynamic **177/181**: 141
– exponents **177/181**: 617, 735, 781
– Heisenberg model **177/181**: 153
– magnetic phase transition **177/181**: 81, 99, 143, 265, 1225
– onset of ferromagnetism **177/181**: 827
184: 307
– specific heat **186**: 65
Critical temperature **172**: 254
176: 197
188: 379
Crossover **185**: 375
Cryogenic behavior **176**: 88
Crystal electric field **186**: 49
Crystal field **173**: 167
175: 311
177/181: 296, 353, 399, 555
182: 359
183: 135
186: 373
189: 310
– excitation **177/181**: 531, 535, 1149
– parameters **177/181**: 479
– RE compounds **177/181**: 541, 962, 1008, 1010, 1050, 1063, 1073, 1139
Crystal growth **177/181**: 337
Crystal habit **190**: 176
Crystal orbital overlap population **174**: 219
Crystal structure **173**: 141, 275
176: 255
177/181: 703, 725, 741, 982, 1021, 1137
182: 96
186: 21
187: 293
189: 69, 214, 329
Crystal-field effect **177/181**: 477, 1087, 1099, 1143
Crystal-field interaction **176**: 206
Crystal-field splitting **177/181**: 1405
Crystal-field theory **176**: L81
Crystalline electric fields **173**: 72
Crystalline structure **190**: 277
Crystalline texture **185**: 241
Crystallite size **173**: 321
Crystallization **171**: 141
185: 187, 353
190: 267
– composition dependent **177/181**: 1131
– in amorphous systems **177/181**: 997
– amorphous systems **177/181**: 1434
Crystallographic shape changes **186**: 161
Crystallographic structure **185**: L135
Cu–Ni–Fe granular systems **189**: 195
Cumulant expansion **177/181**: 311
Cuprates **188**: 219, 233
Curie point **185**: 360
Curie temperatures **171**: 113
172: 188, 285
173: 302
175: 275, 279
176: 241
177/181: 157, 251, 871, 989, 1119, 1220, 1225
183: 71
184: 227, 231, 365
187: 247
190: 257, 302
– composition dependent **177/181**: 597
– pressure dependent **177/181**: 125, 1075
Curie–Weiss behavior **173**: 109
174: 295

Curie–Weiss law **171**: 341
172: 153
173: 117, 133
185: 220
Curie–Weiss model **177/181**: 43
Current aging effects **177/181**: 1301
Current density **177/181**: 553
Cyclotron effective mass **177/181**: 359

Data coding **176**: 73
De Gennes scaling **187**: 309
De Haas–van Alphen effect **177/181**: 296, 3 55, 359, 365, 369, 371, 381, 389, 391, 415, 417, 421, 459, 1355
Defects **175**: 255
177/181: 1403, 1411
185: 225
186: 342
Deformation **190**: 89
Demagnetization **177/181**: 1472
Demagnetization field **176**: 13
Dense Kondo system **177/181**: 303
Density **182**: 199
183: 195
Density functional calculations **177/181**: 373, 439, 569, 953, 1216, 1311
Density functional theory **184**: 215
Density matrix renormalization group **177/181**: 632, 823
Density of states **172**: 139
174: 181, 219
177/181: 395, 551, 581
Density-functional calculations **176**: L81
Devices **177/181**: 898
Diamagnetic anisotropy **177/181**: 1455
Diamagnetic orientation **177/181**: 1455
Dichroism **177/181**: 1039, 1415
184: 375
– circular magnetic **177/181**: 1181
– linear magnetic **177/181**: 1262
– photoemission **177/181**: 1262
Die upsetting **183**: 359
Dielectric anomaly **177/181**: 1466
Dielectric constant **184**: 375
Dielectric function tensor **190**: 349
Dielectric permittivity **183**: 160
Differential thermal analysis **171**: 305
Diffraction **175**: 205
177/181: 1277
Diffraction anomalous fine structure **177/181**: 1415
Diffusion coefficient **174**: 133
Digital VTR **176**: 8
Digital image processing **189**: 353
Dilute alloys **177/181**: 353
Dilute antiferromagnet **177/181**: 85, 87, 103, 105, 171
Diluted Ising metamagnet **188**: 52
Diluted ferrimagnet **185**: 360
Diluted magnetic semiconductors **175**: 311
176: 233
177/181: 1383
Diluting **176**: 206
Dimensionality **187**: 261
Dimeric state **189**: 115
Dimerization **177/181**: 632
Dipolar interactions **177/181**: 549, 781, 966, 1387
184: 262
185: 131
188: 93
Dipolar magnet **187**: 125
Dipole interaction **188**: 291
Disaccommodation **188**: 346
Discontinuous multilayers **185**: 283
Disorder
– magnetic insulators **177/181**: 81
Disordered ferromagnets **177/181**: 153
Disordered systems **175**: 328
177/181: 85, 173, 211, 837
188: 138
Dispersion relations **189**: 366
Domain dynamics **174**: 137
177/181: 127, 209
Domain growth **177/181**: 169
Domain imaging **175**: 160
Domain motion **177/181**: 978
Domain rotation **182**: 31
Domain shapes **177/181**: 169
Domain structures **172**: 74, 77
173: 287
174: 127, 137, 278
177/181: 107, 181, 183, 231, 1281
186: 333
190: 28, 48, 124
Domain theory **185**: 85
Domain walls **177/181**: 188, 193, 215, 636, 1243, 1476
182: 25, 81
183: 313
184: 179
186: 248
188: 301
– dynamics **172**: 83
177/181: 203
189: 19
– motion **171**: 45, 94, 179
172: 83
175: 193
177/181: 421, 896
190: 81
– pinning **177/181**: 225
190: 267

Domain wall resistivity **188**: 19
Domain wall structure **177/181**: 195, 227, 229
Domain writing **175**: 99
Domains **172**: 26
173: 185, 193
174: 77
175: 237
177/181: 217, 1225, 1303, 1474
Doping **183**: 143
Doping effects **177/181**: 671, 842
Double exchange **171**: 103
Double exchange interaction **173**: 173
182: 329
190: 166
Dual deposition **177/181**: 907
Dynamic susceptibility **185**: 384
Dynamical magnetic properties **183**: L255
Dynamical scaling law **177/181**: 1349
Dynamics **177/181**: 63, 161
Dzyaloshinsky–Moriya interaction **177/181**: 697, 779

E-beam evaporation **183**: 25
E-beam lithography **175**: 228
EL process **176**: 46
ESR linewidth **188**: 233
ESR **172**: 128
EXAFS **177/181**: 1173
Easy axis **182**: 49
187: 69
Eddy currents
– loss **183**: 345
Effective field theory **176**: 206
177/181: 157, 575
183: 299, 334
185: 131
188: 52
Effective medium approximation **183**: 127
Eigenvalue spectrum **182**: 335
Elastic moduli **173**: 59
Elastic properties **172**: L15
Elasticity **177/181**: 415, 1413
188: 71
Electric conduction **185**: 199
Electrical conduction **187**: 210
Electrical conductivity **176**: L93
Electrical properties **176**: L93
Electrical resistivity **176**: L93, 241
177/181: 49, 53, 193, 277, 453, 469, 671, 884, 935, 1061, 1131
182: 137, 329
184: 355
186: 56, 357
188: 30, 213, 361, 367, 373
189: 335
– temperature dependence **177/181**: 1117
– temperature dependent **177/181**: 179, 591, 1179
Electrical sheet steel **177/181**: 999
Electrical transport **177/181**: 188, 1166
189: 293
Electrochemical oxidation **177/181**: 521
Electrodeposited alloy **190**: 193
Electrodeposition **177/181**: 107, 119
184: 28
Electroless deposition **173**: 314
Electromagnetic field **174**: 167
Electromagnetic induction **188**: 71
Electromagnetic waves **177/181**: 1205
Electromotive force **173**: 15
Electron density **177/181**: 243
Electron diffraction **177/181**: 1299
Electron diffusion **174**: 133
Electron microscopy **190**: 221
– high angle **172**: 218
– Lorentz **177/181**: 896, 978
Electron paramagnetic resonance **177/181**: 653, 709
184: 38
Electron scattering **182**: 65
Electron states **184**: 238
Electron transport **182**: 65
186: 357
Electron-spin resonance **177/181**: 91, 624, 667, 687, 697, 707, 746, 748, 765, 877, 1375
187: 210
Electron–phonon interaction **173**: 266
177/181: 415, 846, 881
Electronic density of states **187**: 210
Electronic f states **177/181**: 1025
Electronic phase transitions **177/181**: 345
Electronic structure **173**: 141
177/181: 188, 1033, 1037, 1039, 1166, 1415
182: 137, 369
183: 42, 94
184: 215, 293
185: 43
186: 33, 214, 223
188: 361
189: 183
190: 205
Electronic transport **182**: 389
186: 104
Ellipsometry **183**: 157
Energy barrier distribution **186**: 199
Energy dispersive X-ray analysis **183**: 127, 379

Energy gap **177/181**: 341, 367, 379, 673, 693, 697
Energy product **176**: 307
177/181: 1231
187: 83
Entropy **177/181**: 787, 856, 1347
Epitaxial films **175**: 16
186: 161
Epitaxial growth **184**: 127
Epitaxy **171**: 16, 280
177/181: 1253
Equalization **176**: 66
Equilibrium **183**: 195
Europium-chalcogeneides **187**: 177
Exact analytical partition function **189**: 366
Exact diagonalization technique **173**: 173
Excess oxygen **177/181**: 521
Exchange anisotropy **177/181**: 1387
187: 393
Exchange bias field **173**: 321
Exchange bias **189**: 25
190: 183
Exchange biasing **186**: 265
Exchange correlation length **177/181**: 959
Exchange coupling **171**: 29, 225
173: 321
175: 275
176: 145
177/181: 477, 989, 1170, 1189, 1213, 1241, 1253, 1279, 1315
182: 152
183: 247
184: 41, 231
185: 144
186: 97
187: 1
189: 55, 391
190: 187
– 4f-conduction **177/181**: 1008
– bilinear **177/181**: 1177
– biquadratic **177/181**: 157, 1177
– dipolar **183**: 283
– double **177/181**: 864
– four spin **177/181**: 159
– indirect **174**: 70
– interchain **177/181**: 677
– intergranular **182**: 403
– interlayer **173**: 155
177/181: 769, 1168, 1211, 1249
– intersublattice **177/181**: 819, 1099
– multilayer **177/181**: 1156, 1201, 1267
– oscillatory **185**: 293
– RKKY **177/181**: 300, 769, 1008
– thin films **177/181**: 1235, 1249
Exchange energy **177/181**: 569, 968
184: 67
Exchange field **177/181**: 1235
Exchange hardening **184**: 166
Exchange interactions **175**: 279, 304
176: 233
177/181: 132, 705, 970, 1029, 1107
182: L275
185: 105
186: 349
187: 51
– antisymmetric **182**: 341
– biquadratic **172**: 173
– intersublattice **171**: 113
– pseudo-dipolar **177/181**: 1016
– temperature dependent **184**: 137
– spatially nonuniform **185**: 360
Exchange mechanism **174**: L21
Exchange splitting **177/181**: 1355, 1399
– temperature dependent **184**: 155
Exchange **175**: 311
Excitations **177/181**: 139
– spin wave **177/181**: 1343
External fields **182**: 238
Extraordinary Hall effect **176**: 164

Facing targets sputtering **176**: 31
Faraday rotation **177/181**: 203, 233, 245, 251
183: 157
185: 207
Fe on GaAs **175**: 16
Fe-based alloys **185**: 220
Fe **190**: 349
FEM **177/181**: 909
FeMn **190**: 183
FePd **188**: 310
FeSi **190**: 17
Femtosecond spin dynamics **189**: 101
Fermi liquid **177/181**: 325, 329, 335, 343
Fermi surface **172**: 237
177/181: 298, 321, 329, 369, 381, 1023, 1027
189: 225
Ferrimagnetic materials **173**: 179
Ferrimagnetism **172**: 193, 259
174: 261
176: 217
177/181: 51, 808
183: 81
186: 381
190: 157
– random systems **177/181**: 165
Ferrite spinels **188**: 228
Ferrites **172**: L9, 188, 308
173: 51

174: 133
175: 333
177/181: 900, 999
182: 199, 231
183: 163, 181, 241
185: 199
186: 333, 342, 349
187: 93, 242
188: 203
189: 83
– hexagonal **177/181**: 237, 241, 931
184: 337
– hexagonal W-type **184**: 95
– nanocrystalline **171**: 309
– spinels **173**: 59
184: 355
185: 101
Ferrofluid **173**: 15
Ferrofluids – frozen **177/181**: 928
Ferromagnet **182**: 161
188: 333
189: 62
Ferromagnetic composite **182**: 350
188: 71
Ferromagnetic films **177/181**: 1269
189: 19
Ferromagnetic materials **177/181**: 982, 1429, 1476
186: 10
187: 23
188: 173
Ferromagnetic multilayers **177/181**: 1321
Ferromagnetic phase **172**: 183, 237
Ferromagnetic resonance **172**: 74, 229
174: 95
176: 175
177/181: 257, 783, 867, 955, 1209, 1213, 1287, 1313, 1373
182: 71
186: 175, 313, 326
187: 93, 154
190: 267
Ferromagnetic system **189**: 101
Ferromagnetic transition **177/181**: 55
Ferromagnetism **173**: 173
174: L5, 261
177/181: 263, 1137, 1385, 1417, 1423
184: 319
185: 220
186: 381
187: 51, 105, 210
188: 8
– itinerant **171**: 341
Ferromagnets **177/181**: 827, 884, 1381
184: 222
188: 301
189: 234
– amorphous **171**: 341
177/181: 129
– disordered **174**: 155
– nanoscale **177/181**: 917, 953
– organic **177/181**: 789
– two-dimensional **177/181**: 213
Ferronematics **183**: 201
Ferroxplana **186**: 313
Fibres **186**: 313, 326
Film thickness **188**: 241
Fine magnetic particles **189**: 377
Fine particle systems **183**: 232
Fine particles **173**: 101, 185
177/181: 813, 894, 900, 903, 966, 1457
183: 163, 173
184: 262
187: 169
Fine structure **176**: 36
Fine-particle alloys **173**: 5
Fine-particle systems **174**: 309
Finemet **177/181**: 1269
FINEMET alloy **185**: 353
FINEMET **182**: 185
Finite difference **177/181**: 1472
Finite element method **175**: 137, 177
Finite element techniques **175**: 193
Finite-size scaling **183**: 152
First principles calculations **189**: 69
First-order magnetization process **177/181**: 1002
First-principles calculation **177/181**: 1407
FLAPW **183**: 42
Flow rate
– critical **173**: L1
Fluctuation field **171**: 163
Fluctuations **175**: 272
177/181: 523, 825
186: 283
Flux compression **177/181**: 533
Flux creep **177/181**: 497
Flux distribution **177/181**: 561
Flux pinning **177/181**: 305, 499, 513, 523, 533, 915
Fluxgate **188**: 286
FMR **176**: 127
188: L269
Fokker–Planck equation **182**: 335
Forces **189**: 255
Form factor **177/181**: 1048
Fourier analysis **190**: 135, 148
Fractals **177/181**: 139, 153, 837
183: 68
Fracture surface **190**: 98
Frederiks effect **183**: 201
Frustrated Ising model **177/181**: 773

Frustrated antiferromagnetics **188**: 393
Frustrated antiferromagnets **177/181**: 1419
Frustrated ferromagnet **177/181**: 95
Frustrated structure **185**: 101
188: 228
Frustrated system **177/181**: 167
Frustration **171**: 106
177/181: 57, 137, 147, 620, 731, 737, 757, 777, 797, 799, 1466
182: 38, L275
Full potential linear augmented plane wave method **177/181**: 321, 1405

g-factor **177/181**: 739
Gallium arsenide **175**: 219
Galvanomagnetic effects **182**: 389
186: L7
187: 210
188: 138
Garnets **171**: 135, 336
172: 74, 77
177/181: 213
– ferrimagnetic **177/181**: 257
– rare-earth iron **177/181**: 233
– thin films **177/181**: 233
Gaussian fluctuation approximation **174**: 174
Ge-Fe-oxide **186**: 377
Generalized four-spin singlet **177/181**: 675
Generalized gradient approximation **177/181**: 1233, 1403, 1411
Geometric alignment **190**: 176
Geometric selection **190**: 176
Giant magnetoimpedance **177/181**: 111
Giant magnetoresistance effect **183**: 272
Giant magnetoresistances **175**: 127
176: 164, 169
177/181: 31, 858, 875, 881, 884, 1193, 1205
182: 65
186: 154
187: 145
190: 193, 307
Ginzburg–Landau model **177/181**: 287
Glass ceramics **185**: 207
189: 207
Glass collective state **187**: L139
GMR sensitivity **190**: 187
GMR **190**: 183
Grain alignment **177/181**: 978, 1455
Grain boundaries **184**: 166
187: 12
– nonideal **184**: 166
– structure **182**: 403
Grain growth **186**: 313
Grain size **171**: 69, 300
174: 203
177/181: 231
182: 381
185: 61
187: 371
Grain-oriented steel **183**: 75
Grain **177/181**: 179
Granular alloys **173**: 230
176: 164
185: 331
Granular materials **174**: 309
Granular structure **188**: 30
Granular systems **177/181**: 247, 919, 943, 951, 1183, 1193, 1289
Granular **173**: 275
Green's function **177/181**: 842
189: 234
Greigite **183**: 365
Ground state **171**: 83
– frustrated **177/181**: 1359
– properties **177/181**: 395, 575
– singlet **177/181**: 731, 825, 1482
Ground-state phase diagram **177/181**: 636, 773
Ground-state phase transition **177/181**: 647
Group theory **189**: 366
Grüneisen parameter **177/181**: 309
Gyrotropic birefringence **183**: 157

H–T phase diagram **177/181**: 723
Haematite **183**: 365
Haldane gap **177/181**: 626, 663, 681, 689, 695
Haldane system **177/181**: 89, 624, 626, 634, 636, 673, 681, 685, 707
Hall coefficient **183**: 261
188: 213
Hall constant **177/181**: 427
Hall effect **172**: 291
174: 33
176: 233
177/181: 53, 277, 409, 1117, 1257
188: 393
Hard domain **176**: 213
185: 379
Hard magnetic materials **171**: 261, 305
172: 119, 277, 285
173: 295
177/181: 911, 997
189: 47
Hard magnetic phase **175**: 304
HDDR **183**: 359
187: 231
188: 119
Head–medium interaction **177/181**: 909

Heat capacities **177/181**: 461, 673, 683, 771, 817
184: 184
186: 373
189: 274
Heat treatment **177/181**: 455
187: 93
Heavy electron **177/181**: 307
Heavy fermion compounds **177/181**: 325, 329, 335, 339, 343, 369, 401, 405, 411, 413, 417, 435, 443, 453, 465
188: 213
Heavy fermion systems **177/181**: 265, 271, 287, 323, 375, 415, 455, 469, 479
183: 132
Heavy fermions **177/181**: 294, 296, 298, 307, 309, 331, 337, 345, 377, 381, 385, 389, 397, 419, 431, 437, 441, 445, 447, 451, 461, 799, 803
184: 235
Heavy-fermion superconductor **177/181**: 449
Heisenberg $s = 1/2$ ring **189**: 366
Heisenberg antiferromagnet **177/181**: 647, 661, 685, 727, 829
183: 68
– one-dimensional **177/181**: 673
Heisenberg chain **177/181**: 309, 667, 677, 705
187: 393
Heisenberg ferromagnet **177/181**: 157, 725
185: 391
Heisenberg model **177/181**: 141, 149, 161, 634, 713, 717
184: 55
187: 125, 261
189: 115
190: 321
Heisenberg ring **173**: 259
Heisenberg spin glass **177/181**: 69, 89
Heisenberg spin system **173**: 117
Helical structure **177/181**: 595, 1012, 1023, 1065
Helifan **177/181**: 1151
Helimagnet **182**: 38
Helimagnetic order **177/181**: 659
Hematite **185**: 127
Henkel plot **177/181**: 1459
184: 245
Heterogeneous materials **186**: 283
Heterostructures **177/181**: 898
Heusler alloys **177/181**: 1229, 1437, 1443
184: 184
185: 43
Hexaferrites **175**: 79
185: 194
189: 120
– Zn–Co substituted W-type **189**: 96
Hexagonal barium ferrite **176**: 36
Hexagonal ferrites **177/181**: 253, 921
186: 313, 326
High coercivity **177/181**: 911
187: 169
High energy electron diffraction **172**: 26
High magnetic field **177/181**: 355
High pressure **177/181**: 369, 609, 725, 1361, 1363, 1377
183: 185
High remanence **185**: 49
High silicon–iron alloys **188**: 346
High temperature **187**: 63
High-T_c cuprates **177/181**: 487
182: L280
High-T_c superconductivity **187**: 192
High-T_c superconductor **190**: 114
High-energy milling **176**: 272
High-field magnetisation **177/181**: 45
189: 263
High-field magnetism **177/181**: 361, 1361
High-field measurements **177/181**: 624, 653, 667, 699, 731, 765, 1371, 1373, 1375
High-resolution electron microscopy **175**: 219
High-temperature series expansion **177/181**: 715
Highly correlated electrons **177/181**: 311
Holmium **188**: 161
Hot-wall epitaxy **177/181**: 1379
Hubbard model **177/181**: 319, 505, 1482
184: 302, 313, 316
187: 261
Hybrid structure **188**: 30
Hybridization **171**: 113
172: 139
177/181: 47, 277, 819, 1033, 1107
185: 105
Hydride **190**: 257
Hydrodynamics **185**: 391
Hydrogen absorption **177/181**: 869
Hydrogen **174**: 70
Hydrogenation **174**: L1
Hyperfine field distribution **189**: 136
Hyperfine fields **174**: 57, 109
176: 272
177/181: 239, 253, 481, 1091, 1125, 1128, 1137, 1353, 1429, 1431, 1441
– magnetic **177/181**: 475, 829, 1121

Hyperfine interactions **175**: 23
177/181: 657, 1476
Hyperfine magnetic field **186**: 299
Hyperfine parameters **184**: 293, 337
Hysteresis **182**: 185
183: 75, 305
184: 193
185: 353
187: 75
– magnetic **177/181**: 173, 211, 213
Hysteresis loops **171**: 16, 225
172: L9, 225, 229
174: 247
177/181: 813
184: 245
188: 203
– asymmetric **182**: 297
– thermal **177/181**: 455, 521, 1135
Hysteretic materials **174**: 167
Hysteresis modeling **187**: 79

Icosahedral alloy **184**: 319
Implantation **173**: 230
Impurities **177/181**: 1091, 1441
189: 234
Impurity effects **177/181**: 511, 628, 655, 663, 689, 727, 1168, 1293
184: 106
– magnetic chains **177/181**: 707
Impurity **186**: 223
In-plane orientation **190**: 171
Incommensurate phase **177/181**: 1058, 1343
Indirect exchange interaction **189**: 136
Induced spin fluctuations **186**: 288
Induction
– saturation **171**: 300
Inelastic medium energy diffraction **171**: 280
Inelastic neutron scattering **177/181**: 858
Information storage magnetic particles **177/181**: 894
Information storage **175**: 90
176: 1, 73
177/181: 892
Inhomogeneity of magnetic properties **177/181**: 476
Inhomogeneous alloys **184**: 28
Insulators **177/181**: 173
Inter-track interference **176**: 66
Interaction domains **183**: 359
Interactions
– intermolecular **171**: 147
Interatomic distances **187**: 113
Intercalation compounds **177/181**: 147, 175
Interdiffusion **187**: 12
Interface magnetism **172**: 110
174: 192
175: 23
177/181: 862, 1311
Interface phenomena **176**: 97
Interface resistance **177/181**: 1166
Interface roughness **177/181**: 1179
Interface wall **171**: 225
Interfaces **175**: 219
183: 19
184: 19
Interfacial roughness **186**: 265
Intergranular coupling **187**: 268
Interlayer coupling **177/181**: 1287
Interlayer exchange coupling **176**: 127
Intermediate valence **177/181**: 363
185: 174
Intermetallic compounds **171**: 129
177/181: 1065, 1077, 1085, 1121, 1125, 1143, 1361, 1395, 1445
184: 215
186: 81
188: 195
190: 210
Intermetallic solid solutions **186**: 10
Intermetallic uranium compounds **174**: 219
Intermetallics **177/181**: 563
Internal field **190**: 210
Internal friction **188**: 161
Interparticle interactions **183**: L255
Interstellar magnetic field **177/181**: 1455
Interstitial hydrides **187**: 337
Interstitial nitrides **173**: 173
182: 131
Interstitial nitrogen **177/181**: 985
Interstitial permanent magnets **188**: 353
Intersublattice exchange coupling **172**: 277
Intrinsic coercivity **184**: 344
Invar alloys **177/181**: 1439
183: 117
Invar effect **177/181**: 125
Ion beam sputtering **175**: 228
Iron **176**: L93
185: 121
– dextran **177/181**: 1457
– films **177/181**: 227, 229
– oxide **182**: 216
– particles **190**: 357
– phosphate **174**: 109
Iron-manganese oxychloride **182**: 172
Iron–cobalt alloy particles **190**: 357
Irradiation **186**: 342
Irreversibility line **177/181**: 97, 499
Irreversible phenomena **189**: 165
Ising antiferromagnet **177/181**: 781
Ising lattice **177/181**: 777, 1359
Ising model **171**: 83

172: 254
173: 179
175: 249
176: 206
177/181: 63, 76, 159, 183, 185, 617
187: 125
- spin-*S* **177/181**: 165
- transverse **177/181**: 165
189: 234
Ising spin glass **177/181**: 67
Ising systems **171**: 329
186: 65
Ising-like system **174**: 174
Ising **177/181**: 723
Isomer shift **186**: 299
Isotherm **185**: 360
Itinerant antiferromagnetism **177/181**: 41
Itinerant electrons **177/181**: 381, 609, 856
- antiferromagnetism **177/181**: 283, 1343
- ferromagnetism **173**: 266
177/181: 607
- magnetism **177/181**: 1397
183: 94
- metamagnetism **177/181**: 579, 583, 597
182: 143
185: 235
- paramagnetism **177/181**: 43
- spin fluctuations **177/181**: 602
- weak ferromagnetism **177/181**: 1355
Itinerant ferromagnetism **188**: 319
Itinerant magnetism **177/181**: 83, 573, 587, 589, 599
185: 85, 384
190: 289
Itinerant metamagnetism **190**: 210
Itinerant spin fluctuations **177/181**: 1069

Jahn–Teller distortion **174**: L21
Jahn–Teller effects **174**: L28
177/181: 357, 725, 783, 879
Jump length **174**: 133

Kagomé lattice **177/181**: 137, 591, 701, 731, 752, 991
Kerr effect **171**: 16, 280
173: 202
174: 33, 40, 77
177/181: 127, 1197, 1277, 1315
186: 139
Kerr ellipticity **177/181**: 1251
Kerr loop **177/181**: 1245
Kerr measurements **177/181**: 1299
Kerr microscopy **190**: 42
Kerr rotation **171**: 225
177/181: 1251
Kinetic parameters **173**: 29
176: 297
Knight shift **177/181**: 557
Kondo effect **177/181**: 12, 277, 313, 323, 327, 387, 461, 1478
Kondo insulator **177/181**: 331, 337, 341, 379, 1401
190: 245
Kondo lattice **177/181**: 333, 407, 433, 858
182: L275
184: 307
185: 375
Kondo scattering **177/181**: 407, 413
Kondo systems **177/181**: 300, 353, 383, 429
183: 132
Kosterlitz–Thouless **177/181**: 149, 155
Kramers escape rate **173**: L219

$L1_0$ structure **188**: 310
Laminar structure **182**: 350
Landau quantization **177/181**: 1484
Langevin function **174**: 117
Laser ablated plasma **189**: 120
Laser ablation **176**: 111
177/181: 1193
Lattice distortion **177/181**: 1466
Lattice modulation **177/181**: 1151
Lattice parameters **174**: 57
176: 248
177/181: 509
Laves phase **176**: 241
Laves phase compounds **176**: 272
177/181: 605, 1069, 1075, 1397, 1431
189: 189
Layered perovskites **190**: 166
Layered structures **185**: 293
Layers **175**: 79
Light scattering **177/181**: 1213
- Bragg **177/181**: 183
Linear and nonlinear magneto-optical responses **189**: 101
Linear defects **182**: 81
Linear muffin-tin orbitals **177/181**: 373
187: 325
Linear muffin-tin orbital method **173**: 141
183: 292
184: 293
Linear stability **176**: 321
Linearized augmented plane-wave method **182**: 369
Liquid surface **182**: 61
Liquid-nitrogen shroud **176**: 46
Lithography **173**: 193
LMTO-ASA **187**: 105
Local environmental effects **185**: 220

Local magnetic moments **184**: 215
Local moments **177/181**: 43
Local moments in disordered alloys **177/181**: 1399
Local spin density approximation **174**: 219
177/181: 1255, 1403, 1411
187: 201
Local spin-density functional approximation **184**: 106
Localized mode **177/181**: 842
Localized models **177/181**: 719, 1046
Long-range interactions **183**: 348
Long-range order **185**: 18
Longitudinal deformation **185**: 127
Longitudinal recording media **188**: 260
Lorentz electron microscopy **175**: 193
Lorentz microscopy **182**: 81
187: 145
Loss **176**: L93
Low energy electron diffraction **171**: 16, 280
Low energy ion scattering **189**: 83
Low temperature magnetic force microscope **190**: 114
Low temperature **190**: 135
Low-carrier system **177/181**: 307
Low-carrier-density system **177/181**: 309
Low-dimensional magnetism **177/181**: 261, 617
Low-dimensional systems **177/181**: 628, 634, 655, 671, 699, 711, 713, 717, 719, 741, 752, 817, 1482
Low-energy electron diffraction **174**: 40
Low-field susceptibility **177/181**: 1419
Low-temperature growth **182**: 396
Low-temperature susceptibility **177/181**: 1419
LPE method **177/181**: 249, 251
Luminescence **187**: 177

Magnetic Compton scattering **177/181**: 132
Magnetic after-effect **172**: 19
177/181: 121
189: 384
Magnetic aging **177/181**: 67
Magnetic alignment **177/181**: 1002
188: 125
Magnetic and electric properties **190**: 166
Magnetic and thermal properties **187**: 192
Magnetic anisotropy **174**: 95
175: 16, 64
176: 97
177/181: 403, 427, 735, 968, 1002
182: 161, 185, 225
183: 173, 232
185: 353
186: 49
189: 283
190: 318
Magnetic annealing **177/181**: 113, 217
Magnetic bilayer **187**: 381
Magnetic bilayers and sandwiches **175**: 64
Magnetic characterization **188**: 153
Magnetic circular dichroism **175**: 160
Magnetic clusters **177/181**: 71, 945
188: 260
Magnetic composite **187**: 169
Magnetic correlations **177/181**: 777
Magnetic coupling **177/181**: 913
Magnetic coupling antiferromagnetic **177/181**: 779
Magnetic coupling interlayer **177/181**: 1203, 1317
Magnetic data storage **184**: 245
Magnetic dipole term **190**: 318
Magnetic domain structure **189**: 353
Magnetic domains **172**: 19
176: 139
189: 346
190: 42, 332
Magnetic dots **175**: 10
Magnetic entropy **173**: 302
174: 295
177/181: 403
184: 184
Magnetic excitations **177/181**: 139, 636, 687, 691, 711, 837
Magnetic field **177/181**: 575
182: 61
– azimuthal **173**: L1
– biological effects **177/181**: 1451
Magnetic field external **171**: 135
Magnetic field sensor **175**: 1
Magnetic films **177/181**: 519, 1225, 1245
Magnetic fluids **173**: L1, 5, 15
176: 321
183: 188
189: 255
184: 375
186: 168
188: 326
Magnetic force microscopy **171**: 135
172: 26, 229
175: 115, 148
176: 20
177/181: 181, 980, 1241, 1243, 1474
182: 111, 238
187: 268
188: 109, 260
190: 1, 17, 28, 42, 60, 71, 124, 135, 148
– tip **190**: 130
Magnetic frustration **174**: 109

Magnetic garnet **177/181**: 245, 251
Magnetic glasses **189**: 207
Magnetic hardening **182**: 193
Magnetic hybridisation **182**: L280
Magnetic hysteresis **177/181**: 205
Magnetic imaging **175**: 35
177/181: 1474
Magnetic impurity **171**: 251
Magnetic induction **182**: 381
Magnetic instability **177/181**: 563
Magnetic insulators **177/181**: 628
Magnetic interactions **177/181**: 91, 785, 792, 1115
183: 232
Magnetic intermetallics **189**: 283
Magnetic latex **173**: 305
Magnetic materials **182**: 193
185: 187
188: 185
189: 83, 89
Magnetic measurements **174**: 185
177/181: 201, 1289
183: 220
187: 278
Magnetic microstructure **184**: 116
Magnetic moment **175**: 16
177/181: 808, 1197, 1441, 1464
183: 94
185: 35
186: 214, 223
187: 88
189: 189
190: 205
– calculated **177/181**: 605, 1175, 1255, 1321, 1468
– distribution **177/181**: 1305
– formation **177/181**: 602
– giant **171**: 251
– induced **177/181**: 1113
– instability **177/181**: 607
– local **177/181**: 1091
Magnetic multilayers **175**: 35
183: 272
184: 145, 281
185: 309
186: 154
Magnetic nano-elements **175**: 193
Magnetic nanoparticles **186**: 175
Magnetic order **175**: 290
– short-range **177/181**: 577
– sinusoidal **177/181**: 1016
– spiral **177/181**: 1016
Magnetic ordering **177/181**: 167, 294, 757, 787, 792, 797, 803, 839, 879, 1054, 1395
183: 101, 356
184: 111, 235, 262
186: 377
187: 201
188: 93, 219
– antiferromagnetic **177/181**: 559, 719, 739, 831
– ferromagnetic **177/181**: 854
– long range **177/181**: 517, 683, 825
Magnetic ordering temperature **185**: 131
187: 337
Magnetic oxides **177/181**: 783, 862, 873, 1247, 1308, 1375
Magnetic particles **177/181**: 957
188: 291
– dispersion **183**: 232
Magnetic phase boundaries **186**: 74
Magnetic phase diagram of Ti–Fe **190**: 289
Magnetic phase diagrams **173**: 117
174: L28
175: 319
176: 279
177/181: 49, 145, 429, 640, 721, 1019, 1079
187: 278, 345
188: 195
189: 335
Magnetic phase transitions **174**: 89, 278
177/181: 135, 151 723, 1147
182: 287
184: 62
171: 106, 336
173: 126
183: 356
– first-order **172**: 173
Magnetic phase **175**: 290
Magnetic polarization **189**: 136
Magnetic polaron **171**: 251
187: 177
Magnetic powder **171**: 305
Magnetic properties **175**: 319
176: 159
177/181: 207
182: 89, 131, 231, 369, 375
183: L1, 232
184: 95, 209
185: 71, 77, 231, 241, 339
186: 49, 56, 115
187: 47, 231, 366
188: 17, 125, 241, 353, 379
189: 96, 293, 329, 341
190: 257
Magnetic recording **176**: 66
177/181: 886, 909
182: 238
187: 129

188: 248
190: 371
– high density **185**: 249
– longitudinal **174**: 203
– multi-track **176**: 73
– perpendicular **174**: 203
185: 249
Magnetic recording disk **190**: 130
Magnetic recording head **190**: 130
– magnetoresistive **176**: 13, 61
Magnetic recording media **171**: 218
173: 314
174: 203
177/181: 913
182: 396, 403
183: 220, 241
188: 248
– longitudinal **175**: 115, 148
– particulate **183**: 209
– perpendicular **176**: 20, 46
– tape **176**: 1
176: 1, 41, 56, 61
Magnetic recording pigments **190**: 357
Magnetic refrigeration **173**: 302
174: 295
Magnetic relaxation **176**: 261
177/181: 95, 957, 964, 1324
189: 377
Magnetic resonance **171**: 336
177/181: 1391
Magnetic reversal **186**: 248
190: 81
Magnetic rotation alignment **187**: 318
Magnetic sandwiches **188**: 35
Magnetic scattering of X-rays **177/181**: 1415
Magnetic semiconductors **182**: 329
187: 177
Magnetic separation **177/181**: 1453
184: 241
Magnetic spectrum **177/181**: 259
Magnetic structures **172**: 153
173: 126, 141
176: 255, 279
177/181: 37, 549, 573, 729, 795, 805, 815, 1016, 1044, 1071, 1093, 1097, 1423, 1425
182: 96, 152
184: 111
186: 21, 81, 107
187: 293, 278, 318
189: 214, 329
190: 148, 251
– incommensurate **177/181**: 405, 1019, 1337
– modulated **182**: 393
– noncollinear **177/181**: 188, 752
– periodical **177/181**: 1081
Magnetic superlattices **186**: 161
Magnetic susceptibilities **176**: 248
175: 64, 311
186: 381
189: 62
Magnetic suspension **183**: 195
Magnetic tape **171**: 190
Magnetic transitions **176**: 267
177/181: 779, 1065, 1085, 1095, 1447
183: 160
Magnetic viscosity **171**: 153, 163
175: 249
185: 180
Magnetic vortices **177/181**: 529
Magnetic–nonmagnetic instability **177/181**: 1083
Magnetically ordered materials **189**: 274
Magnetically ordered substances **184**: 222
Magnetism **175**: 79
183: 143
185: 94
189: 69
Magnetism of Cr **183**: 5
Magnetite **172**: 308
176: 111
177/181: 243, 1453
182: 71
183: 365
184: 241
Magnetization **171**: 106, 119, 129, 291
172: L9, 61, 139, 153
174: L17, 57, 174, 269
176: 241, 261, 307
177/181: 55, 93, 159, 316, 469, 472, 640, 805, 957, 964, 993, 1052, 1056, 1123, 1141, 1245, 1351
182: 96, 225
183: 19, 195, 247
184: 55, 227, 231
185: 360
186: 139, 299, 349
188: 286
189: 183, 335
190: 157, 257
– asymmetrical **177/181**: 225
– composition dependent **177/181**: 475
– curves **177/181**: 213, 513, 763
189: 346
190: 193
– decay **177/181**: 85
– density **177/181**: 502
– field cooled **174**: 236
– field dependent **177/181**: 117, 777
– first-order process **171**: 237

- high field **171**: 267
177/181: 403, 579, 645, 685, 693, 763, 877, 1089, 1421
- high pressure **177/181**: 579
- in plane **172**: 199
- low temperature **177/181**: 79, 173, 411, 713, 947, 1115
183: 375
- measurements **177/181**: 355, 513, 661, 854, 995, 1397
189: 47, 69
- perpendicular **177/181**: 1245
- plateau **177/181**: 650
- pressure dependent **177/181**: 587, 1075
- processes **171**: 267
177/181: 107, 223, 1087
183: 220
185: 159
187: 252
- quantum tunnelling **177/181**: 709
- remanent **172**: 119
- reversal modes **176**: 145
- reversal **171**: 45, 225
172: 19
174: 77, 192
175: 193
177/181: 31, 197, 917, 1271
182: 297
183: 75
187: 83
188: L1
190: 60, 71, 108
- rotation **171**: 1, 94
177/181: 896
182: 49
187: 69
- saturation **172**: 165, 317
174: 121
184: 355
187: 325
- spontaneous **174**: 117
- stress-induced **190**: 98
- temperature dependence **174**: 203, 261
- temperature dependent **177/181**: 305, 939, 1075, 1417
- thin films **177/181**: 1239, 1319
- time dependent **177/181**: 87, 103
- zero-field cooled **174**: 236
Magnetization mechanism **176**: 36
Magnetization models **177/181**: 201
Magnetization soliton **186**: 239
Magnetization structure **176**: 20
Magneto-crystalline anisotropy **177/181**: 1044
Magneto-dielectric behavior **184**: 375
Magneto-elastic coupling **173**: 43
Magneto-impedance effect **175**: 285
Magneto-impedance **177/181**: 109, 121
185: 159
187: 252
Magneto-optic Kerr effect **172**: 69
188: L1
Magneto-optic Kerr spectroscopy **175**: 53
Magneto-optic effects **182**: 297
Magneto-optic media **182**: 238
186: 248
Magneto-optic microscope **172**: 19
Magneto-optic recording media **175**: 99
Magneto-optical Kerr effect **177/181**: 1251, 1259
190: 349
Magneto-optical effects **177/181**: 472, 1199, 1203, 1277, 1289, 1315, 1427
Magneto-optical films **177/181**: 1281
Magneto-optical properties **177/181**: 351, 811, 1229, 1379
Magneto-optical recording media **177/181**: 223
Magneto-optical spectra **183**: 127
Magneto-optical spectroscopy **177/181**: 1025
Magneto-optical sum rule **188**: 275
Magneto-optics **172**: 199
173: 193, 202, 215
174: L17
175: 35, 64, 79, 90, 205
176: 331
177/181: 835, 1277
184: 375
185: 258
186: 306
189: 149
190: 135, 199
Magneto-transport **188**: L1
Magnetocaloric effect **172**: 247
177/181: 271
184: 62
Magnetocrystalline anisotropy **176**: L81
182: 55
184: 231
187: 105
189: 89, 173, 241, 251
Magnetocrystalline ribbons **185**: 61
Magnetoelastic effects **177/181**: 1077, 1151
Magnetoelastic energy **177/181**: 205
Magnetoelastic interaction **185**: 127
Magnetoelastic phenomena **184**: 369
Magnetoelasticity **171**: 16
177/181: 49, 1162
Magnetoelectric effect **183**: 157
188: 203, 237
Magnetohydrodynamics **188**: 326
Magnetoimpedance **185**: 61
- giant **171**: 64

Magnetomechanical coupling **177/181**: 201
185: 109, 112, 115
Magnetomechanics **172**: 247
Magnetometry **177/181**: 247
Magnetoresistance **172**: 139, 291
173: 230
174: L10, 70
176: 134, 267
177/181: 193, 292, 298, 333, 391, 413, 459, 856, 860, 1133, 1283, 1301, 1315, 1464
182: 324, 329
183: 25, 143, 225
184: 83, 372
185: 235, 331
187: 12, 237
188: 180, 185, 319
189: 131, 195, 321
190: 187, 221
– amorphous alloys **185**: 305
– anisotropy **177/181**: 945, 951, 1293
188: 367, 373
189: 25
– colossal **174**: L5
177/181: 846
184: 71
– giant **172**: 53, 183
173: 155, 253
174: 192, 309
177/181: 867, 898, 919, 945, 951, 1166, 1179, 1227, 1247, 1437, 1443, 1478
183: 160, 292
184: 1, 49, 145, 275, 281
185: 174
186: 87
189: 25, 39
– inverse **183**: 379
– multilayers **177/181**: 31, 769, 1183, 1267
– perpendicular **175**: 127
– ternary compounds **177/181**: 1089
– theory **177/181**: 188, 1166
– thin films **177/181**: 1164, 1227, 1249, 1317
– transition metals **177/181**: 864, 1371
– transverse **171**: 251
183: 379
– tunnel type **188**: 30
Magnetoresistance effect **190**: 166
Magnetoresistive head simulation **186**: 389
Magnetoresistive head **176**: 56
Magnetoresistive response **188**: 30
Magnetoresistivity **177/181**: 1067, 1069
186: 56
Magnetostatic energy **177/181**: 215
185: 246
Magnetostatics **177/181**: 1472
Magnetostriction **171**: 94, 320
172: 247
174: 100, 289
176: 97, 183
177/181: 113, 201, 217, 871, 1216, 1389
182: 49
184: 193
185: 61, 101, 109, 112, 115
186: 161, 283
187: 17, 69
188: 228
190: 108, 199
– constants **186**: 135, 386
– forced volume **177/181**: 125, 587
– giant **189**: 1
– high field **177/181**: 463
– linear **185**: 121
– surface **177/181**: 1223
Magnetotactic bacteria **184**: 241
Magnetothermopower **177/181**: 1067, 1069, 1369
Magnetotransport **190**: 1
Magnetovolume effects **177/181**: 597, 1243
182: 143
Magnets **182**: 193
Magnon–hole interaction **177/181**: 733
Magnons **177/181**: 1050
184: 302
Manganese alloys **187**: 105
Manganese compounds **177/181**: 571
Manganese oxychloride **172**: 153
Manganese **177/181**: 721
188: 185, 195, 393
Manganites **174**: L5
183: 143
184: 71, 83
190: 221
Manufacturing **175**: 333
Many-particle systems **186**: 199
Martensitic transformation **177/181**: 1439
Master equation **174**: 236
Maximum entropy method **177/181**: 243
Maximum entropy **188**: 41
Maxwell relations **172**: 247
MBE **177/181**: 1164, 1319
Mean-field approximation **177/181**: 717
Mean-field theory **173**: 179
177/181: 483
Measurement **182**: 350
Mechanical alloying **171**: 309
172: 285
174: 309, 316
177/181: 933

182: 231
184: 101
186: 299
187: 237
189: 202, 305, 341
Mechanical milling **177/181**: 976, 1439, 1445
188: 387
Mechanical stress **172**: 77
Mechanical synthesis **189**: 305
Media optimization **177/181**: 905
Medium noise **185**: 249
188: 260
Medium thickness **176**: 13
Melt quenched **177/181**: 132
Melt spinning **184**: 209
186: 41, 115
187: L273
190: 48
Melt-spun NdFeB **189**: 55
Melt-spun alloys **177/181**: 129, 1123
Melt-spun ribbons **177/181**: 1478
189: 195
Mesoscopic cylinder **189**: 225
Mesoscopic ring **189**: 225
Mesoscopic structures **188**: L1
Mesoscopic systems **177/181**: 313
Meta-magnetic transitions **182**: 124
Metal pigments **190**: 357
Metal powder **190**: 371
Metal-evaporated tape **182**: 238
Metal–insulator transition **177/181**: 505, 1363, 1365
189: 321
Metal–organic decomposition **185**: 194
Metal–semiconductor interface **175**: 16
Metallic alloys **186**: 357
Metallic glasses **177/181**: 57, 1337
185: 109, 112, 115
190: 267
Metallic multilayers **177/181**: 1193, 1205
189: 136
Metals **182**: 389
186: L7
188: 138
Metal/insulator multilayers **185**: 283
Metamagnetic transitions **177/181**: 459, 563, 795
Metamagnetism **171**: 147
175: 272
177/181: 271, 296, 325, 361, 363, 411, 417, 423, 427, 549, 729, 767, 1093, 1141, 1361
186: 33
Metastability **177/181**: 1
Metastable phases **177/181**: 917, 1468
Metastable **182**: 89
Meteorites **174**: 321, 324
MFM **190**: 89
Micro-domains **177/181**: 71
Microemulsion processing **184**: 344
Micromagnetic calculations **177/181**: 227, 229, 970
187: 371
Micromagnetic model **184**: L257
Micromagnetic modelling **172**: 26
Micromagnetic simulations **183**: 329
186: 389
175: 137
190: 71, 332
Micromagnetic structure **190**: 48
Micromagnetics **173**: 193
175: 148, 193
176: 145
182: 25
183: 49
184: 67
190: 1, 17
Micromagnetism **171**: 190
175: 177
177/181: 197, 1303
182: 81
183: 35
184: 179
185: 274
Microstructure **171**: 29, 179, 261, 315
172: L9, 301
173: 275
174: 57
175: 137, 177
176: 313
177/181: 31, 1478
182: 96
184: 209
185: 369
186: 115
187: 293
188: 353
190: 267
Microwave absorption **171**: 336
172: 74
177/181: 1205
Microwave spectroscopy **177/181**: 1287
Microwave **184**: 355
Mixed phase **177/181**: 1083
Mixed spin Ising model **188**: 65
Mixed spin systems **177/181**: 647
Mixed valence manganese perovskites **177/181**: 860
Mixed valences **174**: 109
177/181: 337, 387, 862, 873
Mössbauer and PAC spectroscopy **177/181**: 1083
Mössbauer effect spectroscopy **177/181**: 255
Mössbauer effect **172**: 41
173: 29
176: 217, 297

177/181: 515, 1103, 1119, 1137, 1447
183: 81
185: 339
Mössbauer spectra **173**: 5
Mössbauer spectroscopy **171**: 119, 170, 315
172: 61
173: 230
174: 57, 109, 321, 324
176: L89
177/181: 57, 73, 135, 247, 475, 555, 839, 860, 939, 955, 993, 925, 1095, 1186, 1245, 1377, 1421
182: 172, 216, 324
183: 78, 185
184: 337
185: 1
186: 10, 377
187: 337
188: 310, 346
189: 47, 83, 136, 310
– Fe alloys **177/181**: 1434
– Fe compounds **177/181**: 933
– ferrites **177/181**: 237, 931
– high pressure **172**: 165
– intermetallic **183**: 101
185: 91
– RE compounds **177/181**: 1149
– RE–TM compounds **177/181**: 1109
– thin films **177/181**: 1201
Mode coupling theory **185**: 384
Models **182**: 350
188: 71
187: 75
Modeling **183**: 305
Molecular dynamics simulations **177/181**: 1409
Molecular field theory **173**: 126
177/181: 729, 1079, 1115
184: 227
Molecular magnetism **171**: 147
172: 128
Molecular-field approximation **177/181**: 245
Monolayers **185**: 274
189: 62
Monopnictides **174**: L21
– Gd **171**: 251
Monte Carlo algorithm **175**: 249
Monte Carlo simulation **177/181**: 67, 69, 151, 163, 169, 943
184: 55
Monte Carlo methods **188**: 41
Morphology **190**: 277
Mott insulator **177/181**: 1365
Mott localization **177/181**: 283, 583, 593
MP particles **190**: 357
Multi-track **176**: 66
Multilayer coupling **177/181**: 1220
Multilayer film **176**: 175
Multilayer magnetic films **187**: 268
Multilayered nanowires **184**: 1
Multilayers **171**: 1, 29
172: 53, 61, 69, 110, 209, 218
173: 155, 163, 202, 253, 321
174: L17, 70, 95, 192
175: 23, 53, 90, 127, 205
176: 1, 97, 127, 134, 155
177/181: 215, 1168, 1170, 1173, 1175, 1177, 1186, 1189, 1191, 1203, 1209, 1211, 1220, 1279, 1303, 1308, 1313, 1464
182: 81, 89
183: 19, 42, 225
184: 49, 55, 127, 137, 293
186: 139
187: 12
188: 8, 17
189: 149
190: 1, 157, 187
– Fe/Eu **189**: 32
– evaporated **189**: 39
– ferromagnetic **177/181**: 1197
– metallic **177/181**: 1164, 1179, 1181, 1183, 1189, 1207, 1267
– permalloy/Cu **189**: 39
Muon spin relaxation **177/181**: 435, 545, 602, 754, 799, 923, 1111, 1470, 1480
Muon spin resonance **177/181**: 1470
Muon spin rotation **177/181**: 523, 555, 561, 803

Nanoclusters **182**: 216
189: 62
Nanocomposite magnets **190**: 302
Nanocomposite permanent magnet **175**: 304
Nanocomposites **175**: 275
186: 97
– α-Fe/$Nd_2Fe_{14}B$ **189**: 55
Nanocrystal **183**: L1, 181
184: 95
185: 71
189: 96
Nanocrystalline alloys **171**: 300
172: 301
175: 285
185: 353

187: 325
177/181: 949
Nanocrystalline magnets **173**: 287
190: 240
Nanocrystalline materials **171**: 315
177/181: 377, 933, 937, 939, 970, 976, 1434
182: 185
186: 97
187: 371
188: 109
Nanocrystalline permanent magnets **184**: 89
189: 391
Nanocrystalline ribbons **177/181**: 1389
182: 111
186: 283
Nanocrystalline state **177/181**: 959
Nanocrystalline **171**: 69
187: 17
Nanocrystallites **186**: 299
Nanocrystallization **172**: 147
175: 177
177/181: 941, 955
Nanocrystals **176**: L89
Nanogranular alloy **177/181**: 945
Nanolayers **176**: 145
Nanomaterial **176**: 288
Nanometric crystals **177/181**: 964
Nanoparticles **173**: 83
177/181: 119, 921, 931, 957, 1461
183: L255
185: 1, L267
186: 342
187: 129, L139
Nanophase **187**: 221
Nanoscale materials **177/181**: 827
Nanoscale particles **189**: 305
Nanostructures **183**: 152
184: 19
Nanowires **175**: 127
190: 1
Narrow-gap semiconductor **177/181**: 1401
Nd–Dy–Fe–B magnets **187**: 79
Nd–Fe–B magnets **176**: 297
Nd–Fe–B powders **176**: 297
Nd–Fe–B **189**: 391
NdFeB magnets **185**: 180, 369
NdFeB **183**: 49, 359
185: 241
188: 109, 119
190: 48
Néel temperature **173**: 72
177/181: 1399
Néel theory **171**: 170
177/181: 987
Néel vector reversal **182**: 19
Néel–Brown model **187**: L139
Negative remanence **177/181**: 1449
Neuromagnetism **177/181**: 1451
Neurone cells **177/181**: 1451
Neutron depolarisation **177/181**: 57, 71
Neutron diffraction **172**: 153, 277
176: 217, 279
177/181: 51, 469, 517, 729, 752, 792, 797, 805, 808, 815, 821, 982, 1019, 1044, 1093, 1097, 1195, 1365, 1395, 1423, 1425, 1447
182: 96, 172, 393
183: 81
184: 71, 111
186: 21, 129
187: 278, 293
189: 214, 329
190: 221
Neutron powder diffraction **186**: 81
190: 251
Neutron scattering **177/181**: 139, 307, 449, 593, 643, 735, 1012, 1337
183: 5
186: 373
187: 318
190: 245
– critical **177/181**: 141, 171
– elastic **177/181**: 405, 1014
– inelastic **177/181**: 339, 864, 1050, 1343, 1349
185: 375
– polarized **177/181**: 502, 1048, 1343
Neutron scattering experiments **189**: 69
Neutron spin echo **177/181**: 701
New crystal **177/181**: 261
Nickel composites **177/181**: 207
Ni compound **189**: 62
Ni–Fe under layer **176**: 8
Nickel **176**: 134
Nitrides **172**: 119
177/181: 985
Nitrogenation **173**: 295
185: 71
187: 231
NMR **177/181**: 239, 253, 335, 343, 397, 441, 447, 481, 487, 557, 583, 585, 593, 595, 609, 657, 669, 723, 833, 1054, 1071, 1105, 1125, 1353
185: 225

189: 189
190: 210
– Knight shift **177/181**: 367, 1393
– relaxation **177/181**: 467, 525, 557, 630, 663, 689, 991, 1393, 1443
185: 238
– spin echo **177/181**: 821, 829, 1113, 1121, 1128, 1139, 1183, 1397, 1429, 1476
– spectra **177/181**: 628
Noise **183**: 220
Noise reduction **177/181**: 231
Non-Fermi liquid **184**: 316
Non-collinear magnetism **183**: 283
Non-Fermi liquid **177/181**: 12, 292, 316, 319, 327, 409, 419, 433, 445, 451, 457, 467
Non-Kramers doublet **177/181**: 353
Non-linear excitations **187**: 125
Non-oriented electrical steel **182**: 381
Noncollinear spin configuration **186**: 139
Nondestructive testing **175**: 255
Nonequilibrium phase transformation **188**: 387
Nonequilibrium state **184**: 173
Nonlinear optics **175**: 35
Nonlinear scaling **171**: 341
Nonlinearity **185**: 127
188: 326
Nonresonant interaction **186**: 239
Normal spinel ferrite **183**: 173
NQR **177/181**: 585
184: 358
– spectrum **177/181**: 537
Nuclear antiferromagnetic resonance **184**: 358
Nuclear magnetic relaxation **184**: 222
Nuclear magnetic resonance **174**: 137
184: 222
188: 195
Nuclear methods **177/181**: 511, 1054, 1431
Nuclear order **177/181**: 775, 1008
Nuclear orientation **177/181**: 1054, 1353
Nuclear spin – lattice relaxation rate **177/181**: 585
Nucleation field **171**: 69
183: 329
Numerical methods **186**: 199
Numerical micromagnetic calculations **189**: 391
Numerical modelling **182**: 25
Numerical simulation **177/181**: 999
184: 179

Oblique deposition **177/181**: 1287
Oblique incidence **190**: 176
Octahedral cluster **177/181**: 249
On-site holes **177/181**: 537
One-dimensional systems **173**: 117
177/181: 76, 79, 307, 630, 647, 657, 665, 683, 695, 705, 750, 827, 1347
184: 302, 307, 313
Optical absorption **177/181**: 249
183: 356
185: 207
189: 310
Optical birefringence **186**: 65
Optical spectroscopy **177/181**: 345, 1046
Optics **185**: 258
Orbital magnetic moments **177/181**: 1484
Orbital moments **177/181**: 439, 481, 1357
185: 118
190: 318
Orbital order **177/181**: 675
Orbital ordering **177/181**: 283
Order parameter **177/181**: 18
Ordered alloy **177/181**: 1175
Ordered structure **182**: 61
Ordering **185**: 213
Organic bulk ferromagnet **177/181**: 801
Organic compounds **177/181**: 561, 746
Organic radial **171**: 147
Organic radical **177/181**: 634, 713, 789, 817, 991
Organic superconductor **177/181**: 505
Orthoferrites **182**: 19
183: 157
Orthogonal code **176**: 66
Oscillations **183**: 25, 261
Oxidation **172**: 269
173: 29, 101
176: 297
190: 277
Oxide **177/181**: 261
188: 185
Oxygen diffusion **172**: 269
176: 297
Oxygen stoichiometry **177/181**: 869, 1308
Oxygen vacancies **177/181**: 235

Pair breaking **182**: L280
Paramagnetic Meissner effect **177/181**: 533
Paramagnetic fluctuations **177/181**: 283
Paramagnetic resonance **177/181**: 739, 1373
Paramagnetism **172**: 259
185: 220
186: L1
Parametric excitation **177/181**: 844
Particle
– acicular **176**: 36
Particle size distribution **186**: 168

Particle thickness size **183**: 209
Particles **176**: L93
– magnetic **171**: 209
– ultrafine **177/181**: 925, 928, 947
– single-domain **174**: 247
– sedimentation stability **177/181**: 892
– size **177/181**: 197
Particulate media **177/181**: 886
186: 233
Particulate systems **174**: 160
Pauli magnetism **177/181**: 43
Peierls spin transition **177/181**: 643, 669, 687, 703, 743
Percolation **177/181**: 139, 837, 943
Permalloy **174**: 192
177/181: 231
190: 187
Permanent magnet **176**: 288, 307, 313
Permanent magnetic film **188**: 241
Permanent magnetic materials **184**: 227
Permanent magnetic property **189**: 202
Permanent magnets **171**: 69, 153, 163
172: 269
173: 20, 29, L225
174: L1, 278
175: 333
177/181: 839, 976, 989, 999, 1128
182: 207
184: 101, 231
187: 63, 79
188: 100
190: 28
– NdFeB type **177/181**: 978, 1115
– nanostructured **184**: 166
Permanent melt-spun **187**: 83
Permeability **171**: 300
172: 301
173: 51
176: L93
177/181: 113, 1472
182: 199
– complex **177/181**: 259
– differential **187**: 353
Perovskite manganites **172**: 237
Perovskite structure **177/181**: 541, 781, 811, 854, 869, 875, 877, 935, 1073, 1391
Perovskites **172**: 173
173: 141, 302
176: 267
177/181: 846, 871
182: L1
187: 201, 237
188: 180, 203
189: 321
Perpendicular coercivity **176**: 25
Perpendicular magnetic anisotropy **176**: 139
Perpendicular magnetic recording **176**: 8
187: 268
Perpendicular recording **176**: 13
182: 238
Perturbed angular correlation **189**: 8
Phase boundaries **177/181**: 163, 831
Phase constituent **176**: 307
Phase diagrams **171**: 83
173: 179
177/181: 357, 735, 1133
183: 334
187: 381
Phase formation **189**: 341
Phase space **177/181**: 63
Phase transitions **171**: 129
176: 155
177/181: 1, 12, 37, 101, 147, 167, 179, 617, 687, 717, 735, 757, 856, 1012, 1089, 1133
182: 38
183: 35
185: 18, 228
187: 88
188: 52, 233, 237, 301
– antiferro–ferromagnetic **174**: 181
– antiferromagnetic–ferromagnetic **172**: 173
– crystallographic **177/181**: 933
– electronic **183**: 348
– ferro–antiferromagnetic **177/181**: 181, 581, 1296
177/181: 939
– field dependent **177/181**: 1141
– high spin–low spin **177/181**: 1375, 1421
– magnetic **177/181**: 76, 175, 177, 472, 626, 765, 1101
183: 348
185: 91
– metal–insulator **174**: L5
177/181: 583, 650, 884, 1101, 1347, 1377, 1391, 1437
183: 160
– metal–nonmetal **177/181**: 311, 871, 875
– metamagnetic **177/181**: 421
– nonmagnetic **177/181**: 626
– nonmagnetic– magnetic **177/181**: 12
– order–disorder **174**: 40
177/181: 717
– order–order **177/181**: 587
– para–antiferromagnetic **177/181**: 531, 869
– pressure effect **177/181**: 375, 401, 425, 587, 1385
– spin glass **177/181**: 69

– spin-Peierls **177/181**: 699
– structural **177/181**: 393, 1097, 1393
– two-dimensional **177/181**: 149
Phonons **173**: 266
– folded **177/181**: 679
177/181: 699
Photoemission spectroscopy **175**: 160
177/181: 1033
Photoemission **177/181**: 349, 387, 1027, 1031, 1035
Piezoelectric sensor **174**: 289
Pinch **182**: 350
Platinum **176**: 331
Polar Kerr **173**: 215
Polariton **177/181**: 835
188: 85
Polarization analysis **175**: 237
Polaron **177/181**: 733, 873, 1247
Polycrystalline materials **188**: 373
Polycrystalline **182**: 49
187: 69
Polydispersivity **175**: 272
Post-annealing **176**: 31
Powder metallurgy **174**: 100
Powder **176**: L93
Power loss **177/181**: 259
Power-supply ferrite **177/181**: 259
Pr-4f hybridisation **187**: 192
Preisach model **177/181**: 1461
Preisach–Néel model **189**: 106
Preparation **182**: 131
Pressure effects **174**: 181
177/181: 371, 383, 417, 465, 525, 589, 673, 817, 821, 1085, 1381, 1385, 1413
182: L275
187: 345
189: 335
Pressure-induced ferro–antiferromagnetic transition **177/181**: 801
Pressure **177/181**: 292
185: 235
Prime number **173**: 259
Process model **189**: 255
Processing **188**: 119
Protocol **172**: 308
Pulsed heat technique **186**: 65
Pulsed laser deposition **172**: 229
188: 100
189: 8, 120
190: 171
Pulsed-laser ablation **177/181**: 945
Pyrrhotite **183**: 365
p–f mixing **177/181**: 371, 1027
Quadrupolar interactions **177/181**: 73, 357, 361, 511
– splitting **177/181**: 1139
Quadrupolar ordering **177/181**: 303
Quadrupolar structures **177/181**: 37
Quadrupole interactions **177/181**: 1121
Quadrupole ordering **177/181**: 365, 429
Quadrupole splitting **177/181**: 1071
Quantification **182**: 238
Quantum Monte Carlo simulation **177/181**: 647
Quantum coherence **182**: 19
Quantum fluctuations **177/181**: 12, 265, 487, 737
Quantum localisation **188**: 138
Quantum size effect **177/181**: 947
Quantum spin chain **177/181**: 823
Quantum spin liquids **177/181**: 620
Quantum tunneling **177/181**: 957
182: 19
Quantum well **177/181**: 1199
Quasi-low-dimensional model **174**: 174
Quasicrystals **171**: 106
189: 165
Quaternary Heusler alloys **185**: 35
Quaternary borocarbides **184**: 235
Quenching **173**: 295
188: 367
R(Fe-Mo)12 compounds **188**: 173
R–TM intermetallics **190**: 233
RKKY interactions **175**: 263
Raman scattering **177/181**: 535, 679, 691, 743
Random antiferromagnetic Heisenberg chain **177/181**: 632
Random field effect **188**: 291
Random fields **177/181**: 1, 85, 145, 171, 183, 209
Random systems **177/181**: 76, 79, 87, 966
Random-bond Ising chain **186**: 188
Rapid quenching **177/181**: 553
Rapid solidification **188**: 353
Rare earth alloys **176**: 313
189: 214
Rare earth binary compounds **186**: 107, 129
Rare earth–cobalt intermetallics **189**: 329
Rare earth compounds **171**: 153
182: 96, 161
186: 21
189: 165, 189
– 3d transition metal compounds **189**: 241, 251
Rare earth **177/181**: 1021, 1071
184: 62
185: 309
188: 195
– chalcogenides **177/181**: 349, 1101, 1317
– Fe-rich alloys **188**: 173
– germanides **177/181**: 1147

– intermediate valence **177/181**: 347, 373
– intermetallic compounds **176**: 272
177/181: 300, 359, 373, 403, 413, 821, 1042, 1044, 1048, 1052, 1105, 1113, 1128
188: 379, 387
– intermetallics **185**: 375
– iron alloy **185**: 66
– metals **177/181**: 1156, 1207
– pnictides **177/181**: 309, 339, 345, 351, 355, 373, 393, 421, 463, 1046
– superlattices **177/181**: 1162
– ternary compounds **177/181**: 137, 363, 395, 815, 1149
Rare earth intermetallics **176**: L81
183: 101, 111
184: 184, 330
186: 49
Rare earth magnets **188**: 125
190: 240
Rare earth manganites **188**: 237
Rare earth permanent magnets **177/181**: 970
Rare earth–cobalt intermetallics **182**: 137
188: 361
Rare earth–transition metal alloys **174**: 295
187: 83
Rare earth–transition metal compounds **171**: 106, 113, 237, 261, 267, 320
172: 269
173: 20, 109, 295
174: L1, 100, 117
184: 365
186: 33, 386
187: 337
189: 183
– interstitial carbides **172**: 277
Rare earth alloys **173**: 126
177/181: 1012, 1014, 1019, 1023, 1153,
186: 115
– of Fe **189**: 305
Rare earth compounds **173**: 93, L225
175: 319
177/181: 321, 353, 377, 481, 555, 757, 1002, 1029, 1054, 1063, 1073, 1095, 1097, 1137, 1186
186: 41
Rare earth hexaborides **174**: L28
– hexagonal **177/181**: 1119, 1135, 1357
Rare earth intermetallic compounds **184**: 209, 235
185: 339
186: 373
187: 113
189: 89, 173
Rare earth interstitial nitrides **177/181**: 993
Rare earth ions **177/181**: 1021
185: 207
Rare earth phosphate **173**: 167
Rare earth ternary alloys **187**: 231
Rare earth ternary compounds **176**: 255
182: 124, 207, 393
183: 94
185: 77, L135
187: 278, 293, 318
190: 205
Rare earth transition metal compounds **177/181**: 117, 475, 477, 502, 597, 792, 808, 819, 839, 1061, 1063, 1065, 1075, 1083, 1099, 1103, 1107, 1131
182: 143, 225, 393
185: 91, 231
Rare earth–3d transition metal compounds **182**: 55
Re-entrant ferromagnetism **175**: 319
177/181: 1449
Re-entrant spin glass **177/181**: 71, 93, 95, 101, 105, 125, 1419
185: 18
React-wind **188**: 145
Read/write properties **182**: 396
Recording characteristics **176**: 31
Recording heads **182**: 238
Recording materials
Recording materials magneto-optical **173**: 215
Recording media
– magnetic **173**: 185
– magneto-optic **173**: 185
Recursion **185**: 213
Redox state of iron **189**: 207
Reflectometry **175**: 237
Regular alternating-bond Ising chain **186**: 188
Relaxation **171**: 336
172: 83
173: 15, 43, 117
177/181: 209, 860, 1071
185: 85, 360
189: 384
– Néel **173**: L219
177/181: 903, 925, 928

- magnetic **177/181**: 85, 1330
Relaxation effect **177/181**: 497
Relaxation reversal
- thermal **171**: 209
- superparamagnetic **173**: L219
177/181: 923, 966
Relaxation time **185**: 238
Remanence curves **177/181**: 1459
Remanence enhanced materials **185**: 66
Remanence enhancement **177/181**: 976
184: 166
189: 55, 391
Remanence **171**: 69
175: 304
177/181: 970, 1461
184: 101, 166, 245
Remanent states **190**: 71
Renormalization group **177/181**: 155, 316
Reorientation transition **183**: 283
Repulsive traps **177/181**: 235
Residual stress **190**: 89
Resistance
- oxidation **171**: 305
Resistivity **171**: 251
172: 183, 188
177/181: 129, 383, 457, 907, 1067
182: 199
184: 372
185: L135
187: 237
188: 180
- anomalies **177/181**: 327, 597
182: 143
- field dependence **177/181**: 854
- field dependent **177/181**: 401
Resolution **182**: 238
190: 135
Resonance antiferromagnetic **177/181**: 739
183: 157
- ferromagnetic **177/181**: 1189, 1239
Resonance magnetic **177/181**: 695
Resonant piezoelectric oscillator technique **173**: 59
Resonant spin tunneling **185**: L267
Reversible loss of induction **189**: 55
Reversible magnetization **182**: 49
Rheometer **183**: 188
Ribbons **171**: 261
177/181: 111
- melt-spun **173**: 275, 295
Rietveld analysis **190**: 233
Rietveld refinement **176**: 279
Rigid disk **177/181**: 886
Rock magnetism **183**: 365
Rotation magnetic alignment **185**: 345
Rotational hysteresis **187**: 160
Roughness **184**: 281
Ruthenates **188**: 319

Sandwich systems **171**: 64
Saturation magnetization **174**: 316
175: 279
176: 25
177/181: 257, 1291
182: 199
184: 137, 344, 365
185: 77
Scaling relation **176**: 164
Scaling **177/181**: 617
188: 319
189: 207
Scanning electron microscopy **172**: 41
177/181: 1299
Scanning tunelling microscopy **172**: 209, 218
177/181: 1279
184: 155
Scattering
- interface **173**: 253
- s-d **173**: 253
Scattering theory **184**: 316
Schottky anomaly **177/181**: 353
Second-neighbor interaction **177/181**: 630, 665
Segregation **171**: 141
Self-consistent renormalization **185**: 384
Self-organized criticality **184**: L257
Self-shadowing effect **176**: 51
Self-sustaining persistent currents **189**: 225
Semiconductors **172**: 188
175: 290
177/181: 898, 1437, 1443
183: 356
185: 199
- magnetic **172**: 193, 317
177/181: 235, 1101, 1168, 1195
Semimagnetic semiconductors **176**: 233
Sensors
- magnetoresistive **177/181**: 896
Sheng–Levy model **183**: 379
Shock-wave compaction **182**: 185
Short-range order **177/181**: 73, 399
Shrinkage **182**: 199
Shubnikov–de Haas effect **177/181**: 298
Signal response
- partial **176**: 73
Silicon steel **177/181**: 217
Simulations **171**: 45, 69, 163, 190
174: 155, 203
175: 205
177/181: 63, 909
183: 305

184: 49
186: 248
– 3D **183**: 313
Single crystals **171**: 237
172: 193
173: 72, 167
174: 117, 121, 278
182: 225
186: 33
188: 161, 367
189: 173
Single domain **186**: 342
Single-domain particles **182**: 5
Singlet ground state **177/181**: 630, 681, 693, 697, 754, 1010
Singlet–triplet magnet **186**: 288
Site preference **177/181**: 1119
183: 101
Slave-boson theory **177/181**: 577
s–f model **182**: 329
Sm–Fe–Si–C ribbon **187**: 247
Small particle magnetism **187**: 160
Small particles **177/181**: 915, 935
190: 332
Small-angle neutron scattering **184**: 116
188: 291
Soft X-ray spectroscopy **190**: 349
Soft magnetic materials **171**: 309, 315
172: 147
173: 287
176: L93
177/181: 941
182: 238
184: 67
Soft magnetic phase **175**: 304
Sol–gel method **177/181**: 900
188: 180
Sol–gel synthesis **177/181**: 247
Sol–gel **183**: L1
186: 313, 326
Solid solutions **177/181**: 51
Solid-state electrotransport **177/181**: 437
Solidification **173**: 20
Solitons **177/181**: 750
184: 302
Specific heat **172**: 97, 139
176: 261
177/181: 45, 55, 177, 385, 399, 419, 443, 451, 453, 465, 507, 551, 581, 640, 655, 750, 781, 787, 856, 1052, 1087, 1147, 1347
182: 359
183: 135
184: 55
185: 144
187: 125
188: 52
– low temperature **177/181**: 271, 375, 395, 409, 517, 559
183: 68
– temperature dependent **177/181**: 1143
Spectroscopy **177/181**: 1289
– X-ray emission **177/181**: 1037
– core level **177/181**: 1029
– far infrared **177/181**: 341, 531, 699, 835
– photoemission **177/181**: 1037
Specular scattering **184**: 49
SPICE **175**: 1
Spin accumulation **175**: 1
Spin cluster **177/181**: 709, 748
Spin configuration **174**: 269
Spin correlation functions **177/181**: 161
184: 313
Spin correlations **177/181**: 339, 539
Spin density waves **177/181**: 283, 411, 419, 1343
Spin diffusion length **175**: 1
Spin disorder **177/181**: 493
Spin dynamics **177/181**: 161, 665, 715, 825, 864, 1111, 1349
Spin echo **177/181**: 833
Spin electronics **175**: 1
185: 283
Spin excitation gap **177/181**: 449
Spin excitations **177/181**: 483, 842
187: 23
Spin flop **177/181**: 721, 739
Spin fluctuations **177/181**: 47, 265, 507, 557, 571, 1067, 1089, 1371
184: 372
185: 177, 238
Spin freezing **177/181**: 757
Spin gap **177/181**: 483, 487, 675, 741, 620
Spin glass behavior **177/181**: 89, 123, 135, 137, 145, 1417
– phenomena **177/181**: 67, 921
– re-entrant **172**: 317
177/181: 1417
– reentrance **171**: 291
Spin glass state **177/181**: 97, 1265
Spin glass transition **177/181**: 99
Spin glasses **172**: 183
173: 117
176: 261
177/181: 57, 63, 69, 397, 803, 1359, 1480
184: 83, 319
189: 346
Spin ladder **177/181**: 487, 620
Spin polarization **177/181**: 132, 439, 1275

Spin polaron **171**: 103
Spin reorientation angle **173**: 93
Spin reorientation phase transition **184**: 289
Spin reorientation transitions **177/181**: 1299
185: 91
Spin reorientation **172**: 199
176: 155, 288
177/181: 1145
182: 225
186: 139, 386
187: 318
188: 173
Spin systems **185**: 144
Spin theory **177/181**: 771
Spin transistor **175**: 1
Spin valves **171**: 1
176: 169
177/181: 197, 1301
183: 225
186: 265
187: 145
189: 25
190: 183
Spin waves **173**: 266
175: 10
177/181: 787, 844, 968, 1259
185: 391
189: 234
– acoustic **177/181**: 1239
– antiferromagnetic **177/181**: 835
– cross-phase modulation **173**: 241
– magnetostatic **173**: 241
– modulation instability **173**: 241
– resonance **177/181**: 1209
– soliton **177/181**: 669
– spectrum **177/181**: 858, 1211, 1349
– surface modes **177/181**: 1265
– theory **177/181**: 493
Spin-Peierls transition **177/181**: 611, 679, 691
Spin-density waves **177/181**: 1337, 1407, 1413
183: 5
186: L1
187: 345
Spin-dependent scattering **176**: 169
177/181: 1464
184: 275
Spin-dimensionality crossover **177/181**: 817
Spin-echo NMR **173**: 314
Spin-fluctuation scattering **182**: 143
Spin-glass behavior **183**: 152
186: 121
Spin-glass phase **185**: 18
Spin-glass state **182**: L1
Spin-glass-like state **187**: L139
Spin-glass **187**: 221
Spin-polarized tunneling **185**: 283
Spin-reorientation transition **171**: 237
172: L10
Spin-valves **186**: 389
Spin-wave resonance **176**: 127
Spin–orbit coupling **175**: 328
Spin–orbit effects **175**: 311
Spinel compounds **177/181**: 1363
Spinels **175**: 299
177/181: 1367
186: 381
187: 88
189: 83
Spinons **177/181**: 659
Spontaneous magnetization **183**: 173
Spontaneous moment **177/181**: 45
Sputter deposition **175**: 99
– low temperature **176**: 41
Sputtering **171**: 29
173: 215
176: 51, 139
177/181: 911
189: 1
– DC **173**: 253
– facing targets **177/181**: 241
– magnetron **177/181**: 1308
– rf **172**: 61
– ultraclean **182**: 403
Sputtering film **176**: 159
Square lattice **188**: 65
SQUID **177/181**: 519, 1014
Staggered quadrupolar phase **183**: 299
Staggered susceptibility **188**: 52
Stannides **175**: 263
Static and dynamic interactions **189**: 106
Static deformation **184**: 173
Static properties **186**: 74
Stearic acid gel method **184**: 95
189: 96
Steel sheet **174**: 185
Steel **171**: 179
184: 193
187: 353
Stochastic resonance **188**: 301
Stoner criterion **177/181**: 599
Stoner excitations **177/181**: 1349
Stoner–Wohlfarth model **171**: 1
174: 236
177/181: 987
182: 5
189: 106, 377
Stoner–Wohlfarth particles **175**: 249
184: 245
Stress – in situ measurement **177/181**: 1299
Stress effects **172**: 229
Stress-annealing **173**: 287
Stress **175**: 255

184: 193
187: 353
String order **177/181**: 632
Strongly correlated electron systems **177/181**: 472
Structural disorder **177/181**: 83
Structural inhomogeneity **177/181**: 1439
Structural parameters **187**: 113
Structural phase transitions **177/181**: 1409
Structural transformation **177/181**: 1445
Structure and magnetism **183**: 35
– commensurate **186**: 107
– incommensurate **186**: 107
– triple Q **177/181**: 1097
Structure **173**: L225
175: 290
176: 159
177/181: 539, 425
183: 241
185: 71
186: 121, 129
187: 47, 231
188: 71
190: 289
Sublattice anisotropy **189**: 251
Submicronic structure **175**: 228
Submillimeter spectroscopy **177/181**: 531
183: 157, 160
Substituted barium ferrite **187**: 129
Substitution effects **182**: 207, L280
183: 111, 241
176: 248, 313
177/181: 251, 509, 611, 767, 1109, 1145
184: 337, 365
185: 1, 187, 225, 339
186: 41, 349
187: 93
Super-exchange **190**: 166
Superconducting coils **188**: 145
Superconducting magnets **188**: 145
Superconductivity **177/181**: 287, 294, 367, 431, 437, 443, 447, 487, 533, 553, 557, 1010
187: 51, 309
– high temperature **177/181**: 537
– high-T_c **177/181**: 18, 499, 505, 509, 513, 535, 547, 711
– magnetic **177/181**: 549, 559
– singlet **176**: 197
– triplet **176**: 197
Superconductors **177/181**: 389, 425, 511, 533, 561
– ceramic **177/181**: 18, 147, 179
– high-T_c **177/181**: 495, 497, 502, 507, 515, 517, 519, 521, 523, 525, 527, 529, 539, 541, 543, 545
183: 78
185: 177
– magnetic **177/181**: 551, 1111, 1153
Superexchange **184**: 358
Superlattices **172**: 97
177/181: 1156, 1195, 1205
183: 261, 292
184: 275
186: 277
187: 1
188: L269
– artificial **177/181**: 1199, 1383
Superparamagnetic state **185**: 360
187: L139
Superparamagnetic tips **177/181**: 980
Superparamagnetism **171**: 119
173: 83
174: 192, 236
177/181: 91, 119, 925, 928, 947, 1457, 1461,
182: 216
183: 163, 181
184: 262, 319
187: 221
189: 305, 377
Supersaturated solid solution **174**: 316
Superstructure **173**: 63
Superzone gap **177/181**: 53
Surface anisotropy **186**: 175
Surface effect **177/181**: 1035
Surface magnetism **172**: 110
177/181: 1233, 1255, 1262, 1265, 1311
182: 341
184: 155
188: 8
189: 234
Surface waves **177/181**: 835
Surface **186**: 223
188: 85
Susceptibilities **171**: 106, 341
172: 139, 153, 193
173: 109, 167
174: 109, 174
175: 328
177/181: 185, 347, 423, 457, 507, 661, 671, 677, 741, 771, 817, 871
182: 152, 359
183: 135
184: 235
185: 144, 360, L135
186: 121, 188
187: 88
189: 310

- AC and DC **188**: 219
- AC **171**: 129, 170
172: 128, 285
173: 295
177/181: 123, 125, 453, 547, 821, 1103, 1141, 1389
182: L1
183: 71, 101
185: 18
186: 233, 333
187: 221
189: 165, 335
- DC **177/181**: 91, 655, 935, 1351
- initial **186**: 233
- inverse **187**: 63
- non-collinear **171**: 129
- non-linear **177/181**: 101, 105, 147, 175, 263
185: 18

Susceptibility domain wall **177/181**: 1470
Susceptibility dynamic **177/181**: 643
Susceptibility high temperature **177/181**: 43
Susceptibility low field **177/181**: 1351
Susceptibility magnetic **177/181**: 479, 681, 683, 685, 703, 962, 1073
Susceptibility maximum **177/181**: 325
Susceptibility paramagnetic **177/181**: 509, 711
Susceptibility temperature dependent **177/181**: 645, 693, 743
Susceptibility transverse **177/181**: 894
Susceptibility-dispersion **175**: 272
SW-Xα method **177/181**: 249
Sweep rate **174**: 160
Switching **171**: 209
Switching fields **171**: 225
177/181: 917
183: 209, 329
Symmetry of Cooper pairs **177/181**: 367
Synchrotron radiation light **177/181**: 1251
Synchrotron radiation **177/181**: 1031
Synchrotron studies **186**: 161
Synthetic florensovite **175**: 299

t–J model **176**: 197
177/181: 483, 493, 505, 577, 733
Taenite **174**: 321, 324
Telluride **186**: 121
TEM observation **176**: 36
TM–TM exchange **190**: 233
Temperature dependence **177/181**: 245
183: 19
Temperature effects **177/181**: 987
Tensor **182**: 49
187: 69
Terfenol-D **187**: 17
190: 98
Ternary rare-earth germanides **182**: 375
Ternary uranium compounds **177/181**: 45
Texture **173**: 20
182: 381
187: 75
Th_2Zn_{17} structure **187**: 247
$ThMn_{12}$ structure nitride **189**: 341
$ThMn_{12}$-type structure compound **187**: 366
189: 202, 341
$ThMn_{12}$-type structure **189**: 283
Thermal conductivity **177/181**: 529, 1061
Thermal expansion **177/181**: 393, 443, 463, 571, 743, 1077
184: 369
186: 386
189: 335
Thermal noise **171**: 218
Thermal relaxation rate **182**: 335
Thermal relaxation **186**: 233
Thermal stability **175**: 148
177/181: 1285
Thermal transport **189**: 293
Thermodynamic potentials **189**: 366
Thermodynamic properties **187**: 393
Thermodynamics **172**: 247
177/181: 323, 645, 771, 823
Thermoelectric effects **187**: 210
Thermoelectric power **177/181**: 129, 407, 1117
188: 213
Thermogravimetic analysis **171**: 305
Thermopower **177/181**: 1369, 1067
Thickness dependence **182**: 65
- cobalt ferrite **176**: 31
- diamond-like carbon **176**: 51
- ferrite **176**: 41
Thin films **171**: 45, 280, 320, 329
172: L1, 41, 199, 229
173: 314
174: L10, 33, 40, 77
175: 237, 249
176: 111, 139
177/181: 97, 213, 377, 431, 511, 813, 900, 907, 915, 1033, 1213, 1241, 1259, 1265, 1269, 1285, 1291, 1427, 1484
182: 25, 65, 71, 297, 403
183: 5, 35
184: 19, 116, 155
185: 241, 249
187: 17, 23, 47, 154
188: 17, 30, 100, 248, 310
189: 32, 120

190: 60, 81, 114
- alloys **184**: 28
185: 258
- amorphous **177/181**: 113
- bilayer **177/181**: 1317
- epitaxial **177/181**: 1227, 1247, 1262, 1273, 1296
- epitaxy **172**: 26, 74, 77
- ferromagnetic **173**: 241
177/181: 1229, 1293
- garnet **182**: 31
- granular **172**: 225
186: 87
- magnetic **177/181**: 1199, 1223, 1319
- sandwich **185**: 246
- Sm–Fe **189**: 1
- sputtered **174**: 57
175: 99
177/181: 241, 495, 875, 919, 951, 1229, 1231, 1293
- texture **173**: 321
- thickness **177/181**: 195
Thin films multilayers **174**: 89
182: 287, 324
Thin films rare earth **173**: 215
177/181: 1305
Thin films reflectivity **190**: 349
Thin films synthesis **177/181**: 241, 1227
Thin-film magnetism **175**: 35
Thin-film media **175**: 137
Three-spin interactions **173**: 133
Tight-binding calculation **177/181**: 862
Time dependence **174**: 160
Time-dependent magnetization **177/181**: 209
Tip coercivity **177/181**: 980
Titanomagnetite **183**: 365
Torque magnetometer **174**: 121
Torque magnetometry **172**: 69
Torque sensor **176**: 183
Transition metal glasses **189**: 207
- surfaces **177/181**: 1255
- ternary compounds **177/181**: 1393
Transition metal-oxides **185**: 118
Transition metal **177/181**: 953, 1216, 1405, 1470
Transition noise **177/181**: 905
Transition rates **182**: 19
Transition-metal alloys **177/181**: 129, 1039, 1175, 1337, 1409, 1427
Transition-metal compounds **177/181**: 591, 607, 1031, 1355
189: 274
Transition-metal oxides **177/181**: 583, 799, 877, 881, 1391
Translation symmetry **173**: 259
Translational symmetry **189**: 366
Transmission electron diffraction **172**: 218
Transmission electron microscopy **172**: 26, 41, 209
173: 83, 101
177/181: 997, 1285, 1287
184: 1, 28, 89
Transparent ferromagnets **177/181**: 203
Transport properties **172**: 229
174: 33
177/181: 111, 235, 294, 1117, 1249, 1283
Transversal oscillations **185**: 127
Transverse susceptibility **188**: 35
Triangular lattice **177/181**: 177, 657, 831, 833, 1466
Tricritical behaviour **188**: 52, 65
Tunneling spectroscopy **177/181**: 431
Tunneling **177/181**: 313, 379, 769, 919, 962, 991, 1283, 1324, 1330
189: 131
Twinning **189**: 173
Two-band model **177/181**: 1343
187: 51
Two-degree orientation **190**: 176
Two-dimensional ferrimagnet **174**: 109
Two-dimensional systems **172**: 254
177/181: 143, 167, 319, 591, 721, 733, 964
184: 316
189: 62
Two-layer films **183**: 25
Two-level model **174**: 236
Two-sublattice systems **172**: 193, 259
174: 261, 269
Type-I magnetic contrast **189**: 353

Ultra-high hardness **176**: 51
Ultrafine iron particles **188**: 169
Ultrafine particles **174**: 321, 324
184: 344
189: 83
190: 277
Ultrasonic control **184**: 173
Ultrasonics **177/181**: 1014
Ultrathin films **177/181**: 617
188: L269
Ultrathin magnetic films **184**: 289
Underlayer **190**: 171
Uniaxial anisotropy **177/181**: 1291
182: 55
189: 241
Universality **177/181**: 617
Uranium compounds **184**: 369
Uranium intermetallics **189**: 283

Uranium **175**: 263
177/181: 437

Vacuum **190**: 135
Valence fluctuations **177/181**: 341, 347, 854
182: 161
Valence state **177/181**: 527
Valence transitions **177/181**: 363, 475
Vertical Bloch line **176**: 213
185: 379
Verwey transition **176**: 111
182: 71
Video data **176**: 1
Video microscopy **173**: 305
Viscosity
– magnetic **177/181**: 937, 987, 1281
– field induced **183**: 188
Volume effect **174**: 181
177/181: 115, 1421
Vortex dynamics **177/181**: 497, 915
Vortex **190**: 114

Wachtmann's relation **173**: 59
Wall dynamics **174**: 155
Weak ferromagnetism **176**: 248
177/181: 173, 609, 789, 1135
Weakly nonlinear solution **186**: 239
Wind-react **188**: 145
Writing noise **171**: 218

X-ray absorption and absorption edges **190**: 307
X-ray absorption **177/181**: 1031
190: 318
X-ray analysis **186**: 381
X-ray dichroism **177/181**: 1029
X-ray diffraction **171**: 29, 280
172: 26, 41, 165, 225, 285
173: 51, 163
176: L89
177/181: 243, 393, 997, 1056, 1151, 1209, 1375, 1377
184: 1, 127
185: 77
186: 121
187: 113
– high angle **172**: 218
– low angle **172**: 209
X-ray magnetic scattering **177/181**: 1058
X-ray powder diffraction **190**: 251
X-ray reflectivity **177/181**: 1181
X-ray scattering **177/181**: 1164
XPS **177/181**: 527
190: 205
XY-model **177/181**: 79, 149
XY system **177/181**: 723

$YBa_2Cu_{7-\delta}$ **190**: 114
YIG **177/181**: 844
Yafet–Kittel angles **187**: 242
Yb-monopnictides **177/181**: 343
Young's modulus **188**: 161
Yttrium iron garnet **185**: 225

Zero field **177/181**: 185
Zinc ferrite **189**: 83
Zr **188**: 119

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS

Instructions to Authors

Submission of papers

Manuscripts (one original + two copies), should be sent to one of the Editors (see addresses on inside front cover). Papers for the section *Information Storage: Basic and Applied* should be submitted to Prof. R.W. Chantrell. *Letters to the Editor* should be sent, preferably by fax, to one of the four editors, while the original with figures should be mailed to the Publisher (see address opposite), preferably with the source file included on disk. Letters may not exceed six pages when printed and will be given priority in both the refereeing and production processes. The faster production schedule may preclude sending proofs of letters to authors.

Original materials: Submission of a manuscript implies it is not being simultaneously considered for publication elsewhere and that the authors have obtained the necessary authority for publication.

Manuscript preparation

All manuscripts should be written in good English. The paper copies of the text should be prepared with double line spacing and wide margins, on numbered sheets. See notes opposite on the electronic version of manuscripts.

Structure: Please adhere to the following order of presentation: Article title, Author(s), Affiliation(s), Abstract, PACS codes and keywords, Main text, Acknowledgements, Appendices, References, Figure captions, Tables.

Corresponding author. The name, complete postal address, telephone and fax numbers and the e-mail address of the corresponding author should be given on the first page of the manuscript.

PACS codes/keywords. Please supply one or more relevant PACS-1995 classification codes and about 5 keywords of your own choice for indexing purposes.

References. References to other work should be consecutively numbered in the text using square brackets and listed by number in the Reference list. Please refer to recent issues for examples.

Illustrations

Illustrations should also be submitted in triplicate: one master set and two sets of copies. The *line drawings* in the master set should be original laser printer or plotter output or drawn in black india ink, with careful lettering, large enough (3–5 mm) to remain legible after reduction for printing. The *photographs* should be originals, with somewhat more contrast than is required in the printed version. They should be unmounted unless part of a composite figure. Any scale markers should be inserted on the photograph itself, not drawn below it.

Colour plates. Figures may be published in colour, if this is judged essential by the Editor. The Publisher and the author will each bear part of the extra costs involved. Further information is available from the Publisher.

After acceptance

Notification. You will be notified by the Editor of the journal of the acceptance of your article and invited to supply an electronic version of the accepted text, if this is not already available.

Copyright transfer. In the course of the production process you will be asked to transfer the copyright of the article to the Publisher. This transfer will ensure the widest possible dissemination of information.

Electronic manuscripts

The Publisher heartily welcomes the receipt of an electronic version of your accepted manuscript. If there is not already a copy of this (on diskette) with the Journal Editor at the time the manuscript is being refereed, you will be asked to send a file with the text of the accepted manuscript directly to the Publisher by e-mail or on diskette to the address given below. (When e-mailing a non-ASCII word-processor file, you should send it as an e-mail attachment). The name and version of the word-processing program and the type of operating system should always be indicated. Please note that no deviations from the version accepted by the Editor of the journal are permissible without the prior and explicit approval by the Editor. Such changes should be clearly indicated on an accompanying printout of the file.

Author benefits

No page charges. Publishing in the *Journal of Magnetism and Magnetic Materials* is free.

Free offprints. The corresponding author will receive 25 offprints free of charge. An offprint order form will be supplied by the Publisher for ordering any additional paid offprints.

Discount. Contributors to Elsevier Science journals are entitled to a 30% discount on all Elsevier Science books.

Further information (after acceptance)

Elsevier Science B.V.
Issue Management
Journal of Magnetism and Magnetic Materials
P.O. Box 2759, 1000 CT Amsterdam
The Netherlands
Fax: + 31 20 485 2319
e-mail: h.arends@elsevier.nl

North-Holland, an imprint of Elsevier Science

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS

Master Index Vols. 171–190

CONTENTS

List of Proceedings and Special Issues published in this period 1

Author index to volumes 171–190 3

Subject index to volumes 171–190 84